Ningbo Deye Inverter Technology Co., Ltd Inverter List

Grid Tied Inverter

Single Phase

- SUN 0.7K-G
- SUN 1K-G
- SUN 1.5K-G
- SUN 2K-G
- SUN 2.5K-G
- SUN 3K-G
- SUN 3.6K-G
- SUN 5K-G
- SUN 6K-G
- SUN 7.5K-G
- SUN 8K-G
- SUN 10K-G

Three Phase

- SUN 4K-G03
- SUN 5K-G03
- SUN 6K-G03
- SUN 7K-G03
- SUN 8K-G03
- SUN 10K-G03
- SUN -12K-G03
- SUN 15K-G03
- SUN 18K-G02
- SUN 20K-G02
- SUN 25K-G02
- SUN 30K-G03
- SUN 33K-G03
- SUN 35K-G03
- SUN 40K-G03
- SUN 45K-G03
- SUN 50K-G03
- SUN 60K-G
- SUN 70K-G
- SUN 75K-G
- SUN 80K-G
- SUN 70K-G03
- SUN 75K-G03
- SUN 80K-G03
- SUN 90K-G03
- SUN 100K-G03
- SUN 110K-G03

Hybrid Inverter List

Single Phase

- SUN 3K-SG04LP1 EU
- SUN 3.6K-SG03LP1 EU
- SUN 3.6K-SG05LP1 EU
- SUN 3.6K-SG04LP1 EU
- SUN 5K-SG04LP1 EU
- SUN 5K-SG03LP1 EU
- SUN 5K-SG05LP1 EU
- SUN 6K-SG03LP1 EU
- SUN 6K-SG05LP1 EU
- SUN 14K-SG01LP1 EU
- SUN 16K-SG01LP1 EU

Three Phase

- SUN 5K-SG04LP3 EU
- SUN 6K-SG04LP3 EU
- SUN 8K-SG04LP3 EU
- SUN 10K-SG04LP3 EU
- SUN 12K-SG04LP3 EU



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February 7, 2022

Letter of Intent

To whom it may concern,

We, Ningbo Deye Inverter Technology Co, Ltd., with headquarter at No. 26-30 Yongjiang South Road, Beilun, 315806, Ningbo, China, are a leading solar inverters manufacturer, listed in Shanghai Stock Exchange Market as 605117.SH since April 2021.

Deye Inverter hereby confirms that Gunda Power Pvt. Ltd, with its registered office at 123/10, Pannipitiya Road, Battaramulla, Sri Lanka, is one of our customers and we hereby authorize them to sell our products in Sri Lanka.

Yours Sincerely,

Ningbo Deye Inverter Technology Co, Ltd.

宁波德业变频技术有限公司 NINGBO DEYE INVERTER TECHNOLOGY CO.,LTD.

Single Phase String Inverter

SUN-0.7 / 1 / 1.5 / 2 / 2.5 / 3 K-G



| Model | SUN-0.7K-G | SUN-1K-G | SUN-1.5K-G | SUN-2K-G | SUN-2.5K-G | SUN-3K-G | | |
|--|--|-----------------|---------------------|-------------------|------------|----------------|--|--|
| Input Side | | | | | | | | |
| Max. DC Input Power (kW) | 0.9 | 1.3 | 2 | 2.6 | 3.3 | 3.6 | | |
| Max. DC Input Voltage (V) | 0.5 | 5 | | | 5.5 | 5.0 | | |
| Start-up DC Input Voltage (V) | | | | | | | | |
| MPPT Operating Range (V) | | | 70~ | | | | | |
| Max. DC Input Current (A) | | | 12 | | | | | |
| Number of MPPT / Strings per MPPT | | | 1 / | | | | | |
| Output Side | | | 17 | ı | | | | |
| Rated Output Power (kW) | 0.7 | 1 | 1.5 | 2 | 2.5 | 3 | | |
| Max. Active Power (kW) | 0.7 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | | |
| Rated AC Grid Voltage (V) | 0.0 | 1.1 | 220 / 230 | | 2.0 | ٥.٥ | | |
| | | 160\/a | | | on dordo) | | | |
| AC Grid Voltage Range (V) | | 160 Va | c~300 Vac (this may | | andards) | | | |
| Rated Grid Frequency (Hz) | | | 50 / 60 (0 | | | | | |
| Operating Phase | | 4.2 | Single | | 10.0 | 12.1 | | |
| Rated AC Grid Output Current (A) | 3 | 4.3 | 6.5 | 8.7 | 10.9 | 13.1 | | |
| Max. AC Output Current (A) | 3.5 | 4.8 | 7.2 | 9.6 | 12.2 | 14 | | |
| Output Power Factor | | | 0.8 leading to | | | | | |
| Grid Current THD | | | | 2% | | | | |
| DC Injection Current (mA) | | | <0. | | | | | |
| Grid Frequency Range | | | 47~52 or 57~ | 62 (Optional) | | | | |
| Efficiency | | | | | | | | |
| Max. Efficiency | 97.3% | 97.3% | 97.3% | 97.3% | 97.5% | 97.5% 97.3% | | |
| Euro Efficiency | | | | | | | | |
| MPPT Efficiency | | | >99 | 9% | | | | |
| Protection | | | | | | | | |
| DC Reverse-Polarity Protection | Yes | | | | | | | |
| AC Short Circuit Protection | Yes | | | | | | | |
| AC Output Overcurrent Protection | | | Ye | es | | | | |
| Output Overvoltage Protection | | | Ye | es | | | | |
| Insulation Resistance Protection | | | Υe | es es | | | | |
| Ground Fault Monitoring | | | Υe | es es | | | | |
| Anti-islanding Protection | | | Υe | es es | | | | |
| Temperature Protection | | | Υe | es e | | | | |
| Integrated DC Switch | | | Υe | 2S | | | | |
| Remote software upload | | | Υe | 2S | | | | |
| Remote change of operating parameters | | | Υe | 2S | | | | |
| Surge protection | | | DC Type II / | ' AC Type II | | | | |
| General Data | | | 71 | ,, | | | | |
| Size (mm) | | | 330W×31 | 0H×115D | | | | |
| Weight (kg) | | | 6 | 5 | | | | |
| Topology | | | Transfor | merless | | | | |
| Internal Consumption | | | <1W (| Niaht) | | | | |
| Running Temperature | <1W (Night) -25~65°C | | | | | | | |
| Ingress Protection | -25~65 € IP65 | | | | | | | |
| Noise Emission (Typical) | <25 dB | | | | | | | |
| Cooling Concept | <25 GB Natural cooling | | | | | | | |
| Max. Operating Altitude Without Derating | 2000m | | | | | | | |
| Designed Lifetime | | | | | | | | |
| Grid Connection Standard | >20 years EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2 | | | | | | | |
| | | LINOU | 0-10 | | U) 1 Z | | | |
| Operating Surroundings Humidity | | IF. | | | 6.2 | | | |
| Safety EMC / Standard Features | | IE ¹ | C62109-1/-2, EN610 | JUU-0-1, EINO1000 | -0-3 | | | |
| | | | NAC 4 | atoablo | | | | |
| DC Connection | | | MC-4 m | | | | | |
| AC Connection | | | IP65 rate | | | | | |
| Display | | | LCD1 | | | | | |
| Interface | | | RS485/RS23 | 32/WIth/LAN | | | | |

Single Phase String Inverter

SUN-3.6 / 5 / 6 K-G





Wide output voltage range

Anti-PID function (Optional)

80 Low start-up voltage of 80V

| Model | SUN-3.6K-G | SUN-5K-G | SUN-6K-G | | | |
|--|---|--|----------|--|--|--|
| Input Side | | | | | | |
| Max. DC Input Power (kW) | 4.7 | 6.5 | 6.6 | | | |
| Max. DC Input Voltage (V) | | | | | | |
| Start-up DC Input Voltage (V) | | 80 | | | | |
| MPPT Operating Range (V) | | 70~550 | | | | |
| Max. DC Input Current (A) | | 12.5+12.5 | | | | |
| Number of MPPT / Strings per MPPT | | 2/1 | | | | |
| Output Side | | | | | | |
| Rated Output Power (kW) | 3.6 | 5 | 6 | | | |
| Max. Active Power (kW) | 4 | 5.5 | 6.6 | | | |
| Rated AC Grid Voltage (V) | | 230 | | | | |
| AC Grid Voltage Range (V) | 180Vac | ~300 Vac (this may vary with grid standa | rds) | | | |
| Rated Grid Frequency (Hz) | | 50 / 60 (Optional) | | | | |
| Operating Phase | | Single phase | | | | |
| Rated AC Grid Output Current (A) | 15.7 | 21.7 | 26.1 | | | |
| Max. AC Output Current (A) | 17.4 | 23.9 | 28.7 | | | |
| Output Power Factor | | 0.8 leading to 0.8 lagging | | | | |
| Grid Current THD | | <2% | | | | |
| DC Injection Current (mA) | | <0.5% | | | | |
| Grid Frequency Range | | 47~52 or 57~62 (Optional) | | | | |
| Efficiency | | | | | | |
| Max. Efficiency | 97.3% | 97.5% | 97.5% | | | |
| Euro Efficiency | 97.1% | 97.3% | 97.3% | | | |
| MPPT Efficiency | >99% | | | | | |
| Protection | | | | | | |
| DC Reverse-Polarity Protection | | Yes | | | | |
| AC Short Circuit Protection | | Yes | | | | |
| AC Output Overcurrent Protection | | Yes | | | | |
| Output Overvoltage Protection | | Yes | | | | |
| nsulation Resistance Protection | | Yes | | | | |
| Ground Fault Monitoring | | Yes | | | | |
| Anti-islanding Protection | | Yes | | | | |
| Temperature Protection | | Yes | | | | |
| ntegrated DC Switch | | Yes | | | | |
| Remote software upload | | Yes | | | | |
| Remote change of operating parameters | | Yes | | | | |
| Surge protection | | DC Type II / AC Type II | | | | |
| General Data | | | | | | |
| Size (mm) | | 330W×310H×172D | | | | |
| Weight (kg) | | 11 | | | | |
| Topology | | Transformerless | | | | |
| nternal Consumption | | <1W (Night) | | | | |
| Running Temperature | | -25~65°C | | | | |
| ngress Protection | | IP65 | | | | |
| Noise Emission (Typical) | <25 dB | | | | | |
| Cooling Concept | | Natural cooling | | | | |
| Max. Operating Altitude Without Derating | | 2000m | | | | |
| Designed Lifetime | | >20 years | | | | |
| Grid Connection Standard | EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2 | | | | | |
| Operating Surroundings Humidity | | 0-100% | | | | |
| Safety EMC / Standard | IEC62109-1/-2, EN61000-6-1, EN61000-6-3 | | | | | |
| Features | | | | | | |
| DC Connection | | MC-4 mateable | | | | |
| AC Connection | | IP65 rated plug | | | | |
| Display | | LCD1602 | | | | |
| Interface | | RS485/RS232/Wifi/LAN | | | | |

Single Phase String Inverter

SUN-7.5 / 8 / 10 K-G



| Model | SUN-7.5K-G | SUN-8K-G | SUN-10K-G | | | | |
|--|---|--------------------------------------|-----------|--|--|--|--|
| Input Side | | | | | | | |
| Max. DC Input Power (kW) | 9.8 | 10.4 | 13 | | | | |
| Max. DC Input Voltage (V) | | 550 | | | | | |
| Start-up DC Input Voltage (V) | 120 | | | | | | |
| MPPT Operating Range (V) | 100~550 | | | | | | |
| Max. DC Input Current (A) | 12.5+25 | 12.5+25 | 25+25 | | | | |
| Number of MPPT / Strings per MPPT | 2 / 1+2 | 2/1+2 | 2/2+2 | | | | |
| Output Side | | _, | _, | | | | |
| Rated Output Power (kW) | 7.5 | 8 | 10 | | | | |
| Max. Active Power (kW) | 8.3 | 8.8 | 11 | | | | |
| Rated AC Grid Voltage (V) | 0.5 | 230 | 11 | | | | |
| AC Grid Voltage Range (V) | 180Vac~ | 300 Vac (this may vary with grid sta | ndards) | | | | |
| Rated Grid Frequency (Hz) | 100440 | 50 / 60 (Optional) | riadias) | | | | |
| Operating Phase | | Single phase | | | | | |
| Rated AC Grid Output Current (A) | 32.6 | 34.8 | 43.5 | | | | |
| Max. AC Output Current (A) | 35.9 | 38.3 | 47.8 | | | | |
| Output Power Factor | 55.5 | 0.8 leading to 0.8 lagging | 17.0 | | | | |
| Grid Current THD | | <2% | | | | | |
| DC Injection Current (mA) | | <0.5% | | | | | |
| Grid Frequency Range | | 47~52 or 57~62 (Optional) | | | | | |
| Efficiency | | 4/~32 OI 3/~02 (OPHONAI) | | | | | |
| | | 97.7% | | | | | |
| Max. Efficiency Euro Efficiency | | 97.5% | | | | | |
| MPPT Efficiency | | | | | | | |
| Protection | | >99% | | | | | |
| | | Yes | | | | | |
| DC Reverse-Polarity Protection AC Short Circuit Protection | | | | | | | |
| | Yes | | | | | | |
| AC Output Overcurrent Protection | Yes | | | | | | |
| Output Overvoltage Protection | Yes | | | | | | |
| Insulation Resistance Protection | Yes | | | | | | |
| Ground Fault Monitoring | | Yes | | | | | |
| Anti-islanding Protection | | Yes | | | | | |
| Temperature Protection | | Yes | | | | | |
| Integrated DC Switch | | Yes | | | | | |
| Remote software upload | Yes | | | | | | |
| Remote change of operating parameters | | Yes | | | | | |
| Surge protection | | DC Type II / AC Type II | | | | | |
| General Data | | | | | | | |
| Size (mm) | | 330W×310H×198.5D | | | | | |
| Weight (kg) | | 11 | | | | | |
| Topology | | Transformerless | | | | | |
| Internal Consumption | | <1W (Night) | | | | | |
| Running Temperature | | -25~65°C | | | | | |
| Ingress Protection | | IP65 | | | | | |
| Noise Emission (Typical) | | <25 dB | | | | | |
| Cooling Concept | | Natural cooling | | | | | |
| Max. Operating Altitude Without Derating | 2000m | | | | | | |
| Designed Lifetime | >20 years | | | | | | |
| Grid Connection Standard | ABNT NBR 16149, ABNT NBR16150, ABNT NBR IEC 62116 | | | | | | |
| Operating Surroundings Humidity | 0-100% | | | | | | |
| Safety EMC / Standard | IEC | 62109-1/-2, EN61000-6-1, EN61000- | 6-3 | | | | |
| Features | | | | | | | |
| DC Connection | | MC-4 mateable | | | | | |
| AC Connection | | IP65 rated plug | | | | | |
| Display | | LCD1602 | | | | | |
| Interface | | RS485/RS232/Wifi/LAN | | | | | |

SUN-4/5/6/7/8/10 K-G03



Clean Power For You

| Model | SUN-4K-G03 | SUN-5K-G03 | SUN-6K-G03 | SUN-7K-G03 | SUN-8K-G03 | SUN-10K-G03 | | |
|--|---|------------|-------------------|--------------------|------------|-------------|--|--|
| Input Side | | | | | | | | |
| Max. DC Input Power (kW) | 5.2 | 6.5 | 7.8 | 9.1 | 10.4 | 13 | | |
| Max. DC Input Voltage (V) | | | 10 | 00 | | | | |
| Start-up DC Input Voltage (V) | | | 14 | łO | | | | |
| MPPT Operating Range (V) | | | 120~ | -850 | | | | |
| Max. DC Input Current (A) | | | 12.5+ | -12.5 | | | | |
| Number of MPPT / Strings per MPPT | | | 2/ | | | | | |
| Output Side | | | | | | | | |
| Rated Output Power (kW) | 4 | 5 | 6 | 7 | 8 | 10 | | |
| Max. Active Power (kW) | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 11 | | |
| Rated AC Grid Voltage (V) | | | 230 / | 400 | | | | |
| AC Grid Voltage Range (V) | | 277Vac | ~460Vac (this may | vary with grid sta | ndards) | | | |
| Rated Grid Frequency (Hz) | | | 50 / 60 (0 | | | | | |
| Operating Phase | | | Three | | | | | |
| Rated AC Grid Output Current (A) | 5.8 | 7.2 | 8.7 | 10.1 | 11.6 | 14.5 | | |
| Max. AC Output Current (A) | 6.4 | 8 | 9.6 | 11.1 | 12.8 | 15.9 | | |
| Output Power Factor | | | 0.8 leading to | 0.8 lagging | | | | |
| Grid Current THD | | | <2 | | | | | |
| DC Injection Current (mA) | | | <0. | | | | | |
| Grid Frequency Range | | | 47~52 or 57~ | | | | | |
| Efficiency | | | ., 32 0. 3, | oz (optiorial) | | | | |
| Max. Efficiency | | | 98. | 3% | | | | |
| Euro Efficiency | | | 97. | | | | | |
| MPPT Efficiency | | | >9: | | | | | |
| Protection | | | | 970 | | | | |
| DC Reverse-Polarity Protection | V | | | | | | | |
| AC Short Circuit Protection | Yes Yes | | | | | | | |
| AC Output Overcurrent Protection | | | Ye | | | | | |
| Output Overvoltage Protection | | | Ye | | | | | |
| Insulation Resistance Protection | | | Ye | | | | | |
| | | | | | | | | |
| Ground Fault Monitoring | | | Ye | | | | | |
| Anti-islanding Protection | | | Ye | | | | | |
| Temperature Protection | | | Ye | | | | | |
| Integrated DC Switch | | | Ye | | | | | |
| Remote software upload | | | Ye | | | | | |
| Remote change of operating parameters | | | Ye | | | | | |
| Surge protection | | | DC Type II / | AC Type II | | | | |
| General Data | | | 22014 42 | 011. 1770 | | | | |
| Size (mm) | | | 330W×43 | | | | | |
| Weight (kg) | | | 1. | | | | | |
| Topology | | | Transfor | | | | | |
| Internal Consumption | | | <1W (I | | | | | |
| Running Temperature | -25~65℃ | | | | | | | |
| Ingress Protection | IP65 | | | | | | | |
| Noise Emission (Typical) | <25 dB | | | | | | | |
| Cooling Concept | Natural cooling | | | | | | | |
| Max. Operating Altitude Without Derating | 2000m | | | | | | | |
| Designed Lifetime | >20 years | | | | | | | |
| Grid Connection Standard | EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2 | | | | | | | |
| Operating Surroundings Humidity | 0-100% | | | | | | | |
| Safety EMC / Standard | IEC62109-1/-2, EN61000-6-1, EN61000-6-3 | | | | | | | |
| Features | | | | | | | | |
| DC Connection | | | MC-4 m | | | | | |
| AC Connection | | | IP65 rate | | | | | |
| Display | | | LCD. | 1602 | | | | |
| Interface | | | RS485/RS23 | 2/Wifi/LAN | | | | |

SUN- 12 / 15 K-G03





| Model | SUN-12K-G03 | SUN-15K-G03 | | | |
|--|---|------------------------------|--|--|--|
| Input Side | | | | | |
| Max. DC Input Power (kW) | 15.6 | 19.5 | | | |
| Max. DC Input Voltage (V) | 1 | 000 | | | |
| Start-up DC Input Voltage (V) | | 250 | | | |
| MPPT Operating Range (V) | | 0~800 | | | |
| Max. DC Input Current (A) | | 1+22 | | | |
| Number of MPPT / Strings per MPPT | | / 1+2 | | | |
| Output Side | Σ, | 112 | | | |
| Rated Output Power (kW) | 12 | 15 | | | |
| Max. Active Power (kW) | 13.2 | 16.5 | | | |
| Rated AC Grid Voltage (V) | | 0 / 400 | | | |
| AC Grid Voltage Range (V) | | ay vary with grid standards) | | | |
| Rated Grid Frequency (Hz) | | (Optional) | | | |
| Operating Phase | | ee phase | | | |
| Rated AC Grid Output Current (A) | 17.4 | 21.8 | | | |
| | 19.1 | 23.9 | | | |
| Max. AC Output Current (A) Output Power Factor | | | | | |
| Output Power Factor Grid Current THD | | to 0.8 lagging <2% | | | |
| | | | | | |
| DC Injection Current (mA) | | (0.5% | | | |
| Grid Frequency Range | 4/~52 or 5. | 7~62 (Optional) | | | |
| Efficiency | | 20 50/ | | | |
| Max. Efficiency | 98.5% | | | | |
| Euro Efficiency | 97.5% | | | | |
| MPPT Efficiency | >99% | | | | |
| Protection | | | | | |
| DC Reverse-Polarity Protection | Yes | | | | |
| AC Short Circuit Protection | Yes | | | | |
| AC Output Overcurrent Protection | Yes | | | | |
| Output Overvoltage Protection | Yes | | | | |
| Insulation Resistance Protection | Yes | | | | |
| Ground Fault Monitoring | | Yes | | | |
| Anti-islanding Protection | | Yes | | | |
| Temperature Protection | | Yes | | | |
| Integrated DC Switch | | Yes | | | |
| Remote software upload | | Yes | | | |
| Remote change of operating parameters | | Yes | | | |
| Surge protection | DC Type | II / AC Type II | | | |
| General Data | | | | | |
| Size (mm) | 330W×4 | 30H×193.5D | | | |
| Weight (kg) | | 17 | | | |
| Topology | Transf | formerless | | | |
| Internal Consumption | <1W | V (Night) | | | |
| Running Temperature | -25 | 5~65°C | | | |
| Ingress Protection | | IP65 | | | |
| Noise Emission (Typical) | | 45 dB | | | |
| Cooling Concept | | t cooling | | | |
| Max. Operating Altitude Without Derating | | 000m | | | |
| Designed Lifetime | >20 years | | | | |
| Grid Connection Standard | | DE 0126-1-1, IEC62109-1-2 | | | |
| Operating Surroundings Humidity | 0-100% | | | | |
| Safety EMC / Standard | U-100% IEC62109-1/-2, EN61000-6-1, EN61000-6-3 | | | | |
| Features | | | | | |
| DC Connection | MC-4 | mateable | | | |
| AC Connection | | | | | |
| | IP65 rated plug | | | | |
| Display | | D1602 | | | |

SUN-18/20/25 K-G02



| Model | SUN-18K-G02 | SUN-20K-G02 | SUN-25K-G02 | | | |
|---|-------------|--|-------------|--|--|--|
| Input Side | | | | | | |
| Max. DC Input Power (kW) | 21.6 | 26 | 32.5 | | | |
| Max. DC Input Voltage (V) | 1000 | | | | | |
| Start-up DC Input Voltage (V) | | 250 | | | | |
| MPPT Operating Range (V) | | 200~800 | | | | |
| Max. DC Input Current (A) | 22+22 | 25+25 | 30+30 | | | |
| Number of MPPT / Strings per MPPT | 2 / 2+2 | 2/2 | 2/3 | | | |
| Output Side | 2,2.2 | 272 | 2,73 | | | |
| Rated Output Power (kW) | 18 | 20 | 25 | | | |
| Max. Active Power (kW) | 19.8 | 22 | 27.5 | | | |
| Rated AC Grid Voltage (V) | | 230 / 400 | | | | |
| AC Grid Voltage Range (V) | 277Vac- | -460Vac (this may vary with grid stand | ards) | | | |
| Rated Grid Frequency (Hz) | | 50 / 60 (Optional) | , | | | |
| Operating Phase | | Three phase | | | | |
| Rated AC Grid Output Current (A) | 26.1 | 29 | 36.2 | | | |
| Max. AC Output Current (A) | 28.7 | 31.9 | 39.9 | | | |
| Output Power Factor | 20.7 | 0.8 leading to 0.8 lagging | 32.2 | | | |
| Grid Current THD | | <2% | | | | |
| DC Injection Current (mA) | | <0.5% | | | | |
| Grid Frequency Range | | 47~52 or 57~62 (Optional) | | | | |
| Efficiency | | 4732 of 37~02 (Optional) | | | | |
| Max. Efficiency | | 98.6% | | | | |
| Euro Efficiency | | 97.8% | | | | |
| MPPT Efficiency | | >99% | | | | |
| Protection | | 23370 | | | | |
| DC Reverse-Polarity Protection | | Voc | | | | |
| AC Short Circuit Protection | Yes | | | | | |
| AC Output Overcurrent Protection | Yes | | | | | |
| Output Overcurient Protection | Yes | | | | | |
| Insulation Resistance Protection | | Yes Yes | | | | |
| | | | | | | |
| Ground Fault Monitoring | | Yes | | | | |
| Anti-islanding Protection | | Yes | | | | |
| Temperature Protection | | Yes | | | | |
| Integrated DC Switch Remote software upload | | Yes | | | | |
| | | Yes | | | | |
| Remote change of operating parameters | | Yes | | | | |
| Surge protection | | DC Type II / AC Type II | | | | |
| General Data | | 400/4/2015/240.50 | | | | |
| Size (mm) | | 400W×520H×240.5D | | | | |
| Weight (kg) | | 28 | | | | |
| Topology | | Transformerless | | | | |
| Internal Consumption | | <1W (Night) | | | | |
| Running Temperature | | -25~65°C | | | | |
| Ingress Protection | | IP65 | | | | |
| Noise Emission (Typical) | | <45 dB | | | | |
| Cooling Concept | | Smart cooling | | | | |
| Max. Operating Altitude Without Derating | | 2000m | | | | |
| Designed Lifetime | | >20 years | | | | |
| Grid Connection Standard | EN505 | 49, IEC61727, VDE 0126-1-1, IEC62109- | -1-2 | | | |
| Operating Surroundings Humidity | | 0-100% | | | | |
| Safety EMC / Standard | IEC | 62109-1/-2, EN61000-6-1, EN61000-6-3 | 3 | | | |
| Features | | | | | | |
| DC Connection | | MC-4 mateable | | | | |
| AC Connection | | IP65 rated plug | | | | |
| Display | | LCD 240 × 160 | | | | |
| Interface | | RS485/RS232/Wifi/LAN | | | | |

SUN-30/33/35/40/45/50 K-G03



| Model | SUN-30K-G03 | SUN-33K-G03 | SUN-35K-G03 | SUN-40K-G03 | SUN-45K-G03 | SUN-50K-G03 | | | |
|--|---|-------------|---------------|----------------------|-------------|-------------|--|--|--|
| Input Side | | | | | | | | | |
| Max. DC Input Power (kW) | 39 | 42.9 | 45.5 | 52 | 58.5 | 65 | | | |
| Max. DC Input Voltage (V) | | | 1 | 000 | | | | | |
| Start-up DC Input Voltage (V) | 250 | | | | | | | | |
| MPPT Operating Range (V) | | | 200 | 0~850 | | | | | |
| Max. DC Input Current (A) | 40+40 | 40+40+40 | 40+40+40 | 40+40+40 | 40+40+40 | 40+40+40+40 | | | |
| Number of MPPT / Strings per MPPT | 2/3 | 3/3 | 3/3 | 3/3 | 3/3 | 4/3 | | | |
| Output Side | 273 | 3,73 | 373 | 373 | 373 | 17.3 | | | |
| Rated Output Power (kW) | 30 | 33 | 35 | 40 | 45 | 50 | | | |
| Max. Active Power (kW) | 33 | 36.3 | 38.5 | 44 | 49.5 | 55 | | | |
| Rated AC Grid Voltage (V) | | | 230 | 0 / 400 | | | | | |
| AC Grid Voltage Range (V) | | 277Va | | ay vary with grid st | andards) | | | | |
| Rated Grid Frequency (Hz) | | 27,770 | | (Optional) | arraaras, | | | | |
| Operating Phase | | | | e phase | | | | | |
| Rated AC Grid Output Current (A) | 43.5 | 47.8 | 50.7 | 58 | 65.2 | 72.4 | | | |
| Max. AC Output Current (A) | 47.8 | 52.8 | 55.8 | 63.8 | 71.7 | 79.7 | | | |
| Output Power Factor | 17.0 | 32.0 | | to 0.8 lagging | 7 | , , , , | | | |
| Grid Current THD | | | | <2% | | | | | |
| DC Injection Current (mA) | | | | 0.5% | | | | | |
| Grid Frequency Range | | | | 7~62 (Optional) | | | | | |
| Efficiency | | | 4/~32 01 3/ | ~62 (Optional) | | | | | |
| | | | | 0.70/ | | | | | |
| Max. Efficiency | | | | 8.7% | | | | | |
| Euro Efficiency | | | | 98% | | | | | |
| MPPT Efficiency | | | > | 99% | | | | | |
| Protection | | | | | | | | | |
| DC Reverse-Polarity Protection | | | | Yes | | | | | |
| AC Short Circuit Protection | | | | Yes | | | | | |
| AC Output Overcurrent Protection | | | | Yes | | | | | |
| Output Overvoltage Protection | | | | Yes | | | | | |
| Insulation Resistance Protection | | | | Yes | | | | | |
| Ground Fault Monitoring | | | | Yes | | | | | |
| Anti-islanding Protection | | | | Yes | | | | | |
| Temperature Protection | | | | Yes | | | | | |
| Integrated DC Switch | | | | Yes | | | | | |
| Remote software upload | | | | Yes | | | | | |
| Remote change of operating parameters | | | | Yes | | | | | |
| Surge protection | | | DC Type I | I / AC Type II | | | | | |
| General Data | | | | | | | | | |
| Size (mm) | | | 647.5W×5 | 37H×303.5D | | | | | |
| Weight (kg) | | | 4 | 44.5 | | | | | |
| Topology | | | Transf | ormerless | | | | | |
| Internal Consumption | | | <1W | (Night) | | | | | |
| Running Temperature | -25~65°C | | | | | | | | |
| Ingress Protection | | | I | P65 | | | | | |
| Noise Emission (Typical) | <45 dB | | | | | | | | |
| Cooling Concept | Smart cooling | | | | | | | | |
| Max. Operating Altitude Without Derating | 2000m | | | | | | | | |
| Designed Lifetime | >20 years | | | | | | | | |
| Grid Connection Standard | EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2 | | | | | | | | |
| Operating Surroundings Humidity | 0-100% | | | | | | | | |
| Safety EMC / Standard | IEC62109-1/-2, EN61000-6-1, EN61000-6-3 | | | | | | | | |
| Features | | ic | 0, 1, 2, 2100 | | | | | | |
| | No. | | | | | | | | |
| DC Connection | MC-4 mateable | | | | | | | | |
| DC Connection AC Connection | | | | | | | | | |
| DC Connection AC Connection Display | | | IP65 ra | ated plug | | | | | |

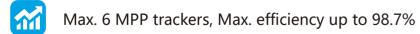
SUN-60 / 70 / 75 / 80 K-G



| Model | SUN-60K-G | SUN-70K-G | SUN-75K-G | SUN-80K-G | | |
|--|--|--------------------------|---------------------|-----------|--|--|
| Input Side | | | | | | |
| Max. DC Input Power (kW) | 78 | 91 | 97.5 | 104 | | |
| Max. DC Input Voltage (V) | 1000 | | | | | |
| Start-up DC Input Voltage (V) | | 250 | O | | | |
| MPPT Operating Range (V) | | 200~ | 850 | | | |
| Max. DC Input Current (A) | | 40+40+ | 40+40 | | | |
| Number of MPPT / Strings per MPPT | 4/3 | 4 / 4 | 4 / 4 | 4 / 4 | | |
| Output Side | | | | | | |
| Rated Output Power (kW) | 60 | 70 | 75 | 80 | | |
| Max. Active Power (kW) | 66 | 77 | 82.5 | 88 | | |
| Rated AC Grid Voltage (V) | 00 | 230 / | | | | |
| AC Grid Voltage Range (V) | | 277Vac~460Vac (this may | | | | |
| Rated Grid Frequency (Hz) | | 50 / 60 (O | | | | |
| Operating Phase | | Three p | | | | |
| Rated AC Grid Output Current (A) | 87.8 | 101.5 | 108.7 | 115.9 | | |
| Max. AC Output Current (A) | 95.7 | 111.6 | 119.6 | 127.5 | | |
| Output Power Factor | 23.1 | 0.8 leading to | | 12/.3 | | |
| Grid Current THD | | 0.8 leading to | | | | |
| DC Injection Current (mA) | | <29 | | | | |
| • | | <0.5 47~52 or 57~6 | | | | |
| Grid Frequency Range Efficiency | | 4/~32 01 3/~6 | oz (Optional) | | | |
| | | | | | | |
| Max. Efficiency | 98.7% | | | | | |
| Euro Efficiency | | 98.3 | | | | |
| MPPT Efficiency | | >99 | % | | | |
| Protection | | | | | | |
| DC Reverse-Polarity Protection | Yes | | | | | |
| AC Short Circuit Protection | Yes | | | | | |
| AC Output Overcurrent Protection | Yes | | | | | |
| Output Overvoltage Protection | Yes | | | | | |
| Insulation Resistance Protection | Yes | | | | | |
| Ground Fault Monitoring | | Yes | S | | | |
| Anti-islanding Protection | | Yes | S | | | |
| Temperature Protection | | Yes | S | | | |
| Integrated DC Switch | | Yes | S | | | |
| Remote software upload | | Yes | S | | | |
| Remote change of operating parameters | | Yes | S | | | |
| Surge protection | | DC Type II / | ′ AC Type II | | | |
| General Data | | | | | | |
| Size (mm) | | 700W×575 | H×297D | | | |
| Weight (kg) | | 60 | | | | |
| Topology | | Transforn | merless | | | |
| Internal Consumption | | <1W (N | light) | | | |
| Running Temperature | | -25~6 | | | | |
| Ingress Protection | | IP6 | | | | |
| Noise Emission (Typical) | <55 dB | | | | | |
| Cooling Concept | | Smart co | | | | |
| Max. Operating Altitude Without Derating | | 2000 | | | | |
| Designed Lifetime | | | | | | |
| Grid Connection Standard | >20 years EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2 | | | | | |
| Operating Surroundings Humidity | | 0-100 | | | | |
| Safety EMC / Standard | | IEC62109-1/-2, EN6100 | | | | |
| Features | | ILCUZ 103-1/-2, LINO 100 | JO 01, LINO1000-0-3 | | | |
| | | AAC 4 | staabla. | | | |
| DC Connection | | MC-4 ma | | | | |
| AC Connection | | IP65 rate | | | | |
| Display | | LCD 240 | | | | |
| Interface | | RS485/RS232 | Z/VVIII/LAIN | | | |

SUN-70 / 75 / 80 / 90 / 100 / 110 K-G03





1.5 Max. DC/AC ratio upto 1.5

Zero export application, VSG application

Anti-PID function (Optional)

String intelligent monitoring (optional)



| Model | SUN-70K-G03 | SUN-75K-G03 | SUN-80K-G03 | SUN-90K-G03 | SUN-100K-G03 | SUN-110K-G | | |
|--|---|-------------------|--------------------|--------------------|--------------------|------------|--|--|
| Input Side | | | | | | | | |
| Max. DC Input Power (kW) | 105 | 112.5 | 120 | 135 | 150 | 150 | | |
| Max. DC Input Voltage (V) | | | 10 | 00 | | | | |
| Start-up DC Input Voltage (V) | | | 25 | 50 | | | | |
| MPPT Operating Range (V) | | | 200~ | -850 | | | | |
| Max. DC Input Current (A) | | | 40+40+40+ | -40+40+40 | | | | |
| Number of MPPT / Strings per MPPT | | | 6 | / 4 | | | | |
| Output Side | | | | | | | | |
| Rated Output Power (kW) | 70 | 75 | 80 | 90 | 100 | 110 | | |
| Max. Active Power (kW) | 77 | 82.5 | 88 | 99 | 110 | 121 | | |
| Rated AC Grid Voltage (V) | ,, | 02.3 | 220 / 380, | | | | | |
| AC Grid Voltage Range (V) | | 277Vac | ~460Vac (this may | | ndards) | | | |
| Rated Grid Frequency (Hz) | | 277700 | 50 / 60 (0 | | | | | |
| Operating Phase | | | Three | | | | | |
| Rated AC Grid Output Current (A) | 101.5 | 108.7 | 115.9 | 130.4 | 144.9 | 159.4 | | |
| Max. AC Output Current (A) | 111.6 | 119.6 | 127.5 | 143.5 | 159.4 | 175.4 | | |
| Output Power Factor | 711.0 | | >0 | | .55.1 | 17 3.1 | | |
| Grid Current THD | | | <3 | | | | | |
| DC Injection Current (mA) | | | <0. | | | | | |
| Grid Frequency Range | | | 47~52 or 57~ | | | | | |
| Efficiency | | | 471.32 01 371 | -02 (Optioni) | | | | |
| Max. Efficiency | | | 00 | 70/ | | | | |
| Euro Efficiency | 98.7% | | | | | | | |
| MPPT Efficiency | | | | | | | | |
| Protection | >99% | | | | | | | |
| DC Reverse-Polarity Protection | Yes | | | | | | | |
| AC Short Circuit Protection | | | | | | | | |
| | Yes Yes | | | | | | | |
| AC Output Overcurrent Protection Output Overvoltage Protection | | | | 2S | | | | |
| Insulation Resistance Protection | | | | | | | | |
| | | | | 2S | | | | |
| Ground Fault Monitoring | | | | 2S | | | | |
| Anti-islanding Protection | | | | 2S | | | | |
| Temperature Protection | | | | 2S | | | | |
| Integrated DC Switch | | | Ye | | | | | |
| Remote software upload | | | Ye | | | | | |
| Remote change of operating parameters | | | Ye | | | | | |
| Surge protection | | | DC Type II / | AC Type II | | | | |
| General Data | | | | | | | | |
| Size (mm) | | | 838W×56 | | | | | |
| Weight (kg) | | | 73 | | | | | |
| Topology | | | | merless | | | | |
| Internal Consumption | <1W (Night) | | | | | | | |
| Running Temperature | | | -25~ | | | | | |
| Ingress Protection | | | IP: | | | | | |
| Noise Emission (Typical) | <55 dB | | | | | | | |
| Cooling Concept | Smart cooling | | | | | | | |
| Max. Operating Altitude Without Derating | 2000m | | | | | | | |
| Designed Lifetime | >20 years | | | | | | | |
| Grid Connection Standard | IEC61727, IEC62116, IEC60068, IEC61683, VDE0126-1-1 | | | | | | | |
| Operating Surroundings Humidity | 0-100% | | | | | | | |
| Safety EMC / Standard | I | EC62109-1/-2, IEC | 61000-6-2, IEC6100 | 00-6-4, IEC61000-3 | 3-11, IEC61000-3-1 | 2 | | |
| Features | | | | | | | | |
| DC Connection | | | MC-4 m | | | | | |
| AC Connection | | | IP65 rat | ed plug | | | | |
| Display | | | LCD 24 | 0 × 160 | | | | |
| Interface | | | RS485/RS23 | 32/Wifi/LAN | | | | |

-31 -



No: 2618/0359/IND-E1-CER

CERTIFICATE OF CONFORMITY

Certificate number

Holder NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, NingBo, China

Trademark

Deye Tech. Group
Deye 後業

Tested model

SUN-6K-G

Variant models

SUN-5K-G / SUN-4.2K-G / SUN-3.6K-G / SUN-3K-G / SUN-2K-G / SUN-1K-G

Type of generating unit

Utility Interactive Inverter

Technical Data

Nominal Power [kW]

6

5

4

3.6 230

Nominal Voltage [V]

Nominal Frequency [Hz]

50

AGREGAÇÃO SE

Display software version: Ver 144 Control software version: Ver 3109

Single phase

NO

Number of phases

Firmware version

Isolation transformer

This certificate of conformity confirms that one sample of the above-mentioned product is in compliance with:

- IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.
- IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.
- IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.
- IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
- IEC 61683:1999. Photovoltaics systems Power conditioners Procedure for measuring efficiency.
- IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
- IEC 61727:2004. Photovoltaics (PV) systems Characteristics of the utility interface

This certificate of conformity is based upon the test results of the test reports number below detailed and is only valid when the product is manufactured in accordance with the tested sample.

- 2218 / 0359 A E1 for IEC 61727:2004
- 2218 / 0359 B E1 for **IEC 62116:2014**
- 2218 / 0359 C E1 for IEC 61683:1999
- 2218 / 0359 D E1 for IEC 60068-2-1:2007; IEC 60068-2-2:2007; IEC 60068-2-14:2009; IEC 60068-2-30:2005

This certificate will expire in 5 years from the release date of these test reports, issued the 22th June of 2018. This certificate cancels and supersedes the certificate no 2618/0359/IND-CER.

Madrid, 5th of December 2019

Daniel Arranz Muñiz Certification Manager



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Nº 2618/0359/IND-E1-CER Page 1 of 1







VERIFICATION OF COMPLIANCE

No.: LVD GZES2104016969PV

Applicant: NingBo Deye Inverter Technology Co.,Ltd.

No.26 South YongJiang Road, Daqi, Beilun, NingBo,, China.

Manufacturer: NingBo Deye Inverter Technology Co.,Ltd.

No.26 South YongJiang Road, Dagi, Beilun, NingBo,, China.

Product Description: Single phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.: SUN-1K-G, SUN-1.5K-G, SUN-2K-G, SUN-2.5K-G,

SUN-3K-G, SUN-3.6K-G, SUN-4.2K-G, SUN-5K-G, SUN-6K-G;

Trade Mark:

Deye

Rating: Refer to page 2

Protection against Electric Shock: Class I
Degree of Protection: IP 65
Additional Information: N/A

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 62109-1:2010

EN 62109-2:2011

as shown in the

Test Report Number(s): GZES210401696901, GZES210401696902

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.





2021-04-30

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No.: LVD GZES2104016969PV

Other information added:

Rating:

| Model Number | SUN- 1K-G | SUN- 1.5K- G | SUN- 2K-G | SUN- 2.5K-G | SUN- 3K-G | SUN- 3.6K-G | SUN- 4K-G | SUN- 5K-G | SUN- 6K-G |
|------------------------------|--|--------------------|--------------|----------------|--------------------------------|----------------|--------------|--------------|--------------|
| Input (DC) | | | | | | | | | |
| Max. input power | 1.4kW | 2.0kW | 2.8kW | 3.0kW | 4.2kW | 4.7kW | 5.2kW | 6.5kW | 6.6kW |
| Max. input voltage | | | | | 550 |)V | | | |
| Max. input current | | | 12.5A | | | | 12.5A+ | +12.5A | |
| Start-up input voltage | 70Vd.c. | 70Vd.c. 80Vd.c. | | | | | | | |
| MPPT voltage range | 50V~550V 70V~550V | | | | | | | | |
| Output (AC) | | | | | | | | | |
| Rated grid voltage | | 230V (L/N/PE) | | | | | | | |
| Rated grid frequency | | | | | 50H | Ηz | | | |
| Rated output power | 1.0kW | 1.5kW | 2.0kW | 2.5kW | V 3.0kW 3.6kW 4.0kW 5.0kW 6.0k | | | | 6.0kW |
| Rated output current | 4.3A 6.5A 8.7A 11A 13.1A 15.7A 17.4A 21.7A 2 | | | | | | 26.1A | | |
| Power factor | >0.99(adjustable+/-0.8) | | | | | | | | |
| Ambient temperatur | -25 °C ~60 °C | | | | | | | | |
| Ingress protection | IP65 | | | | | | | | |
| Protective class | Class I | | | | | | | | |

David Guo
Senior Technical Manager

2021-04-30

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Shenzhen BALUN Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.: BL-DG2140468D01

Applicant: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacture: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Dagi, Beilun, NingBo, China.

Product: PV Solar Grid Tie Inverter

Brand name: Deye

SUN-18K-G03, SUN-15K-G03, SUN-12K-G03, SUN-10K-G03,

Model name: SUN-8K-G03, SUN-7K-G03, SUN-6K-G03, SUN-5K-G03,

SUN-4K-G03, SUN-3.2K-G03, SUN-3K-G03-1, SUN-3K-G03,

SUN-9K-G03

The submitted sample of the above product has been tested according with below Standard(s) used for showing compliance with the essential requirements in the LVD directive (2014/35/EU):

| Applied Standards: | is the second | Report No.: |
|----------------------------------|---------------|------------------|
| | | BL-DG2140468-B01 |
| EN 62109-1:2010, EN 62109-2:2011 | | BL-DG2140468-B01 |
| | | attachment 1 |





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Shenzhen BALUN Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.: BL-DG2140468D02

Applicant: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacture: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product: PV Solar Grid Tie Inverter

Brand name: Deye

SUN-18K-G03, SUN-15K-G03, SUN-12K-G03, SUN-10K-G03,

Model name: SUN-8K-G03, SUN-7K-G03, SUN-6K-G03, SUN-5K-G03,

SUN-4K-G03, SUN-3.2K-G03, SUN-3K-G03-1, SUN-3K-G03, SUN-9K-G03

The submitted sample of the above product has been tested according with below Standard(s):

| Applied Standards: | Report No.: |
|------------------------------------|------------------|
| | BL-DG2140468-B01 |
| IEC 62109-1:2010, IEC 62109-2:2011 | BL-DG2140468-B01 |
| | attachment 1 |



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web: www.baluntek.com



CERTIFICATE OF CONFORMITY

Certificate number

No: 2619/0335-CER

Holder & Manufacturer

NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Dagi, Beilun, NingBo, China

Trademark

Deye Tech. Group Deve 德業

Tested model

SUN-12K-G03

Variant models

SUN-5K-G03 / SUN-6K-G03 / SUN-7K-G03 / SUN-8K-G03 / SUN-10K-G03 / SUN-15K-G03 /

SUN-18K-G03

Type of generating unit

Utility Interactive Inverter

Technical Data

Nominal Power [kW]

15

18

Nominal Voltage [V]

Nominal Frequency [Hz]

3W / PE 400

50 / 60

Firmware version

Display software version: Ver 0208

Control software version: Ver 1813

Three phase **Number of phases**

Isolation transformer

NO

This certificate of conformity confirms that one sample of the above-mentioned product is in compliance with:

- IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.
- IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.
- IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.
- IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
- IEC 61683:1999. Photovoltaics systems Power conditioners Procedure for measuring efficiency.
- IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
- IEC 61727:2004. Photovoltaics (PV) systems Characteristics of the utility interface

This certificate of conformity is based upon the test results of the test reports number below detailed and is only valid when the product is manufactured in accordance with the tested sample.

- 2219 / 0335 A for IEC 61727:2004
- 2219 / 0335 B for IEC 62116:2014
- 2219 / 0335 C for IEC 60068-2-1:2007; IEC 60068-2-2:2007; IEC 60068-2-14:2009; IEC 60068-2-30:2005
- 2219 / 0335 D for IEC 61683:1999

This certificate will expire in 5 years from the release date of these test reports, issued the 23rd of October of 2019.

Madrid, 25th of October 2019



Daniel Arranz Muñiz Certification Manager



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Nº 2619/0335-CER Page 1 of 1



VERIFICATION OF COMPLIANCE

No.: GZES2101001227PV

Applicant: NingBo Deye Inverter Technology Co., Ltd

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacturer: NingBo Deye Inverter Technology Co., Ltd

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product Name: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.: SUN-6K-G02, SUN-10K-G02, SUN-12K-G02;

SUN-15K-G02, SUN-18K-G02, SUN-20K-G02, SUN-25K-G02;

Trade Mark:

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 0151

Control software version: Ver 1814

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC 61727:2004 IEC 62116:2014

IEC 61683:1999 IEC 60068-2-1:2007 IEC 60068-2-14:2009

IEC 60068-2-30:2005

as shown in the

Test Report Number(s): GZES210100122701, GZES210100122702 GZES210100122703, GZES210100122704

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

David Gud Senior Technical Manager

2021-01-19

SGS-CSTC

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No.: GZES2101001227PV

Other information added:

Rating:

| Model Number | SUN- 6K-G02 | SUN- 10K- G02 | SUN- 12K- G02 | SUN- 15K- G02 | С | SUN- 20K- G02 | SUN- 25K- G02 |
|----------------------|----------------------------|---------------------|---------------------|---------------------|----------|---------------------|---------------------|
| Max. input power | 6.6kW | 11kW | 13.2kW | 16.5kW | 21.6kW | 26kW | 32.5kW |
| Max. input voltage | 1000Vd.c. | | | | | | |
| Max. input | 10Ad.c | 10Ad.c | 20Ad.c | 20Ad.c | 22Ad.c | 25Ad.c | 30Ad.c |
| current | 10Ad.c | 10Ad.c | 10Ad.c | 20Ad.c | 22Ad.c | 25Ad.c | 30Ad.c |
| MPPT voltage range | 200-800Vd.c. | | | | | | |
| Rated grid voltage | 3L/N/PE 230/400Vac | | | | | | |
| Rated grid frequency | 50Hz/60Hz | | | | | | |
| Rated output power | 6kW | 10kW | 12kW | 15kW | 18kW | 20kW | 25kW |
| Rated output | 8.7Aa.c | 14.5Aa.c | 17.3Aa.c | 21.7Aa.c | 26.1Aa.c | 29.0Aa.c | 36.2Aa.c |
| current | x3 | ×3 | ×3 | ×3 | ×3 | ×3 | ×3 |
| Power factor | 0.8 leading to 0.8 lagging | | | | | | |
| Ambient | | | | | | | |
| temperature | -25℃~60℃ | | | | | | |
| Ingress | IP65 | | | | | | |
| protection | IF 00 | | | | | | |
| Protective class | Class I | | | | | | |

David Guo
Senior Technical Manager

2021-01-19

SGS-CSTC

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VERIFICATION OF COMPLIANCE

No.: LVD GZES2101001228PV

Applicant: NingBo Deye Inverter Technology Co., Ltd.

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacturer: NingBo Deye Inverter Technology Co., Ltd.

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product Description: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.: SUN-6K-G02, SUN-10K-G02, SUN-12K-G02;

SUN-15K-G02, SUN-18K-G02, SUN-20K-G02, SUN-25K-G02;

Trade Mark: Deye 後業®

Rating: Refer to page 2

Protection against Electric Shock: Class I
Degree of Protection: IP 65

Additional Information: Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 62109-1:2010

EN 62109-2:2011

as shown in the

Test Report Number(s): GZES210100122801 GZES210100122802

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.



2021-01-20

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No.: LVD GZES2101001228PV

Other information added:

Rating:

| Model Number | SUN- 6K-G02 | SUN- 10K- G02 | SUN- 12K- G02 | SUN- 15K- G02 | SUN- 18K- G02 | SUN- 20K- G02 | SUN- 25K- G02 |
|-----------------------|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Max. input power | 6.6kW | 11kW | 13.2kW | 16.5kW | 21.6kW | 26kW | 32.5kW |
| Max. input voltage | 1000Vd.c. | | | | | | |
| Max. input | 10Ad.c | 10Ad.c | 20Ad.c | 20Ad.c | 22Ad.c | 25Ad.c | 30Ad.c |
| current | 10Ad.c | 10Ad.c | 10Ad.c | 20Ad.c | 22Ad.c | 25Ad.c | 30Ad.c |
| MPPT voltage range | 200-800Vd.c. | | | | | | |
| Rated grid voltage | 3L/N/PE 230/400Vac | | | | | | |
| Rated grid frequency | 50Hz/60Hz | | | | | | |
| Rated output power | 6kW | 10kW | 12kW | 15kW | 18kW | 20kW | 25kW |
| Rated output | 8.7Aa.c | 14.5Aa.c | 17.3Aa.c | 21.7Aa.c | 26.1Aa.c | 29.0Aa.c | 36.2Aa.c |
| current | x3 | ×3 | ×3 | ×3 | ×3 | ×3 | ×3 |
| Power factor | 0.8 leading to 0.8 lagging | | | | | | |
| Ambient | | | | | | | |
| temperature | -25℃~60℃ | | | | | | |
| Ingress protection | IP65 | | | | | | |
| Protective class | Class I | | | | | | |



2021-01-20

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CERTIFICATE



of Conformity

Registration No.:

AK 50529771 0001

Report No.:

CN21DKPW 001

Holder:

NingBo Deye Inverter Technology

Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun

NingBo,

315800 Zhejiang

P.R. China

Product:

PV-Inverter

(Grid-Connected PV Inverter)

Identification:

Type Designation: SUN-18K-G04 SUN-20K-G04 SUN-25K-G04

SUN-30K-G04 SUN-33K-G04 SUN-35K-G04

SUN-36K-G04

Serial Number : Engineering samples

Firmware Version: 3120

Remark(s) : Refer to report CN21DKPW 001 for details.

Tested acc. to:

UTE C15-712-1/07.13

VFR 2019

DIN VDE V 0126-1-1/08.13

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date

04.01.2022

Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg



Certificat de Conformité

Fabricant:

NingBo Deye Inverter Technology Co., Ltd.

Manufacturer

No.26 South YongJiang Road, Daqi, Beilun NingBo, 315800 Zhejiang P.R.

China

Type de produit: Type of product Transformador fotovoltaico

Modèle:

SUN-18K-G04,SUN-20K-G04,SUN-25K-G04,SUN-30K-G04,SUN-33K-G04,

Model SUN-35K-G04,SUN-36K-G04

Version du firmware:

3120

Firmware version

Norme: Standard UTE C15-712-1/07.13

VFR 2019

DIN VDE V 0126-1-1/08.13

Date d'émission:

04.01.2022

Date of issue

La vérification de conformité se réfère au produit mentionné ci-dessus. Il s'agit de vérifier que le spécimen est conforme à l'exigence d'évaluation mentionnée ci-dessus. Cette vérification n'implique pas une évaluation de la production du produit et ne permet pas l'utilisation d'une marque de conformité TÜV Rheinland. Cette vérification de conformité repose sur le certificat no. AK 50529771 0001 et le rapport d'essai no. CN21DKPW 001.

The verification of conformity refers to the above mentioned product. This is to vertify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. This verification of conformity bases on the certificate no. AK 50529771 0001 and test report no. CN21DKPW 001.

TÜV Rheinland LGA Products GmbH -Tillystraße 2 - 90431 Nürnberg



VERIFICATION OF COMPLIANCE

No.: GZES2101000287PV

Applicant: NingBo Deve Inverter Technology Co.,Ltd.

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacturer: NingBo Deye Inverter Technology Co.,Ltd.

No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product Name: PV Solar Grid Tie Inverter
Product Description: Inverter used in PV system

Model No.: SUN-60K-G03, SUN-50K-G03, SUN-40K-G03, SUN-35K-G03,

SUN-33K-G03, SUN-30K-G03, SUN-25K-G03, SUN-20K-G03

Deye

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Ver0179, V2185

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 3

as shown in the

Trade Mark:

Test Report Number(s): GZES210100028701, GZES210100028702 GZES210100028703, GZES210100028704

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

2021-02-10

Senior Technical Manager SGS-CSTC

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No.: GZES2101000287PV

Other information added : Ratings

| Model | SUN-60K-G03 | SUN-50K-G03 | SUN-40K-G03 | SUN-35K-G03 | | | |
|-------------------------------|--|-------------|-------------|-------------|--|--|--|
| DC Input | | | | | | | |
| Max. DC Power | 78kW 65kW 52kW 45.5kW | | | | | | |
| Max. DC voltage | 1000Vdc | | | | | | |
| MPPT voltage range | 200-850Vdc | | | | | | |
| Full power MPPT voltage range | 460-850Vdc | | | | | | |
| Max. input current | 4x40Adc | 4x40Adc | 3x40Adc | 3x40Adc | | | |
| AC Output | | | | | | | |
| Rated power | 60kW | 50kW | 40kW | 35kW | | | |
| Max. AC power | 66kW | 55kW | 44kW | 38.5kW | | | |
| Max. output current | 95.7Aac | 79.7A | 63.8A | 55.8A | | | |
| Nominal grid voltage | 3L/N/PE, 230/400V | | | | | | |
| Nominal output frequency | 50Hz/60Hz | | | | | | |
| Output power factor | 1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | |
| Operating temperature range | -20+65°C (derating at +45°C) | | | | | | |
| Ingress protection | IP65 | | | | | | |
| Protective class | Class I | | | | | | |

Senior Technical Manager

2021-02-10

SGS-CSTC

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No.: GZES2101000287PV

Other information added : Ratings

| Model | SUN-33K-G03 | SUN-30K-G03 | SUN-25K-G03 | SUN-20K-G03 | | | |
|-------------------------------|--|-------------|-------------|-------------|--|--|--|
| DC Input | | | | | | | |
| Max. DC Power | 42.9kW 39kW 32.5kW 26kW | | | | | | |
| Max. DC voltage | 1000Vdc | | | | | | |
| MPPT voltage range | 200-850Vdc | | | | | | |
| Full power MPPT voltage range | 460-850Vdc | | | | | | |
| Max. input current | 3x40Adc | 2x40Adc | 2x30Adc | 2x25Adc | | | |
| AC Output | | | | | | | |
| Rated power | 33kW | 30kW | 25kW | 20kW | | | |
| Max. AC power | 36.3kW | 33kW | 27.5kW | 22kW | | | |
| Max. output current | 52.8Aac | 47.8A | 39.9A | 31.9A | | | |
| Nominal grid voltage | 3L/N/PE, 230/400V | | | | | | |
| Nominal output frequency | 50Hz/60Hz | | | | | | |
| Output power factor | 1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | |
| Operating temperature range | -20+65°C (derating at +45°C) | | | | | | |
| Ingress protection | IP65 | | | | | | |
| Protective class | Class I | | | | | | |



2021-02-10

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No.: GZES2101000287PV

Test IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.

Standards: IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.

IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of

temperature.

IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1:

Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for

measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for utility-

interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.



2021-02-10

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Shenzhen BALUN Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.:

BL-DG20C0913D04

Applicant:

NingBo Deye Inverter Technology Co.,Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo,, China

Manufacture:

NingBo Deye Inverter Technology Co., Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo,, China

Product:

PV Solar Grid Tie Inverter

Brand name:

Deye

Model name:

SUN-60K-G03, SUN-50K-G03, SUN-40K-G03, SUN-35K-G03, SUN-33K-G03, SUN-30K-G03, SUN-25K-G03, SUN-20K-G03

The submitted sample of the above product has been tested according with below Standard(s):

| Applied Standards | : | Report No.: |
|-------------------|------------------|------------------|
| IEC 62109-1:2010 | IEC 62109-2:2011 | BL-DG20C0913-B01 |



Date of Issue:Mar. 17, 2021

Tel: +86 755 66850100

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Email: qc@baluntek.com

web: www.baluntek.com



Shenzhen BALUN Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.:

BL-DG20C0913D03

Applicant:

NingBo Deye Inverter Technology Co.,Ltd

Address:

No.26 South YongJiang Road, Dagi, Beilun, NingBo,, China

Manufacture:

NingBo Deye Inverter Technology Co.,Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo,, China

Product:

PV Solar Grid Tie Inverter

Brand name:

Deye

Model name:

SUN-60K-G03, SUN-50K-G03, SUN-40K-G03, SUN-35K-G03, SUN-33K-G03, SUN-30K-G03, SUN-25K-G03, SUN-20K-G03

The submitted sample of the above product has been tested according with below Standard(s) used for showing compliance with the essential requirements in the LVD directive (2014/35/EU):

| Applied Standards: | Report No.: |
|---------------------------------|------------------|
| EN 62109-1:2010 EN 62109-2:2011 | BL-DG20C0913-B01 |





Date of Issue:Mar. 17, 2021

Tel: +86 755 66850100

Fax: +86 755 61824271

Email: qc@baluntek.com

web; www.baluntek.com

CERTIFICATE





Registration No.: AK 50529668 0001

Report No.:

CN219NXF 001

Holder:

NingBo Deye Inverter Technology

Co., Ltd. No. 26 South YongJiang Road, Daqi, Beilun

NingBo,

315800 Zhejiang

P.R. China

Product:

PV-Inverter

(Grid-Connected PV Inverter)

Identification:

Type Designation: SUN-30K-G03 SUN-33K-G03 SUN-35K-G03

SUN-40K-G03 SUN-50K-G03 SUN-60K-G03

Serial Number : Engineering samples

Firmware Version: Mcu:2185 Lcd:0179

Remark(s)

: Refer to report CN219NXF 001 for details.

Certification

Weichun I

Tested acc. to:

UTE C15-712-1/07.13

VFR 2019

DIN VDE V 0126-1-1/08.13

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date

31.12.2021

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland (China) Ltd. Member of TÜV Rheinland Group



NingBo Deye Inverter Technology

Co., Ltd. Ji Dehai Date : 31.12.2021 Our ref. : LIUPHI 01 Your ref.: Ji Dehai

No. 26 South YongJiang Road, Daqi, Beilun NingBo, 315800 Zhejiang P.R. China

Ref : AK Certificate of Conformity

Type of Equipment : Grid-Connected PV Inverter

Model Designation : See Certificate Certificate No. : AK 50529668 0001 Report No. : CN219NXF 001

Dear Ji Dehai,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

CC: NingBo Deye Inverter Technology

Enclosure

Stock Code: 605117.SH

SUN-3.6/5/6/7.6/8K-SG05LP1-EU



Technical Data _ www.deyeinverter.com

| Model | SUN-3.6K -SG05LP1-EU | SUN-5K -SG05LP1-EU | SUN-6K -SG05LP1-EU | SUN-7.6K -SG05LP1-EU | SUN-8K -SG05LP1-EU |
|--------------------------------------|---|-----------------------|-------------------------|-------------------------|-----------------------|
| Battery Input Data | | | | | |
| Battery Type | Lead-acid or Li-lon | | | | |
| Battery Voltage Range (V) | 40~60 | | | | |
| Max. Charging Current (A) | 90 | 120 | 135 | 190 | 190 |
| Max. Discharging Current (A) | 90 | 120 | 135 | 190 | 190 |
| external Temperature Sensor | | | Yes | | |
| Charging Curve | | | 3 Stages / Equalization | n | |
| Tharging Strategy for Li-lon Battery | | | Self-adaption to BMS | , | |
| PV String Input Data | | | · | | |
| Max. DC Input Power (W) | 4680 | 6500 | 7800 | 9880 | 10400 |
| lated PV Input Voltage (V) | | | 370 (125~500) | 7 7 7 7 | |
| tart-up Voltage (V) | | | 125 | | |
| MPPT Voltage Range (V) | | | 150-425 | | |
| ull Load DC Voltage Range (V) | | 300-425 | 130 123 | 200- | 425 |
| V Input Current (A) | | 13+13 | | 26+ | |
| Max. PV I _{SC} (A) | - | 17+17 | | 34+ | |
| No.of MPP Trackers | | 1/ + 1 / | | 2 | <i>э</i> -т |
| No. of Strings per MPP Tracker | | 1 | | 2 | |
| AC Output Data | | ı | | | |
| Rated AC Output and UPS Power (W) | 3600 | F000 | 6000 | 7600 | 2000 |
| | 3600 | 5000 | 6000 | 7600 | 8000 |
| Aax. AC Output Power (W) | 3690 | 5500 | 6600 | 8360 | 8800 |
| C Output Rated Current (A) | 16.4/15.7 | 22.7/21.7 | 27.3/26.1 | 34.5/33 | 36.4/34.8 |
| Max. AC Current (A) | 18/17.2 | 25/23.9 | 30/28.7 | 38/36.3 | 40/38.3 |
| Max. Continuous AC Passthrough (A) | 35 40 50 | | | | |
| leak Power (off grid) | 2 time of rated power, 10 S | | | | |
| ower Factor | 0.8 leading to 0.8 lagging | | | | |
| Output Frequency and Voltage | 50/60Hz; L/N/PE 220/230Vac (single phase) | | | | |
| Grid Type | | | Single Phase | | |
| OC injection current (mA) | | TH | D<3% (Linear load<1. | 5%) | |
| Efficiency | | | | | |
| Max. Efficiency | | | 97.60% | | |
| uro Efficiency | | | 96.50% | | |
| MPPT Efficiency | 99.90% | | | | |
| Protection | | | | | |
| ntegrated | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection | | | | |
| Output Over Voltage Protection | DC Type II/AC Type III | | | | |
| Certifications and Standards | | | | | |
| Grid Regulation | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | | | | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | | |
| General Data | | | | | |
| Operating Temperature Range (°C) | | -4 | 40~60°C, >45°C derati | ng | |
| Cooling | Natural cooling | | | | |
| loise (dB) | <30 dB | | | | |
| Communication with BMS | RS485; CAN | | | | |
| Veight (kg) | 24 | | | | |
| size (mm) | 330W x 580H x232D | | | | |
| Protection Degree | IP65 | | | | |
| nstallation Style | | | | | |
| | 5 years | | | | |



SUN-3.6/5/6K-SG03LP1-EU





- Max. charging/discharging current of 190A
- **6** 6 time periods for battery charging/discharging



Technical Data _ www.deyeinverter.com

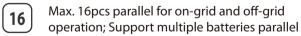
| Model | SUN-3.6K-SG03LP1-EU | SUN-5K-SG03LP1-EU | SUN-6K-SG03LP1-EU | | |
|--|---|---------------------------------------|-------------------|--|--|
| Battery Input Data | | | | | |
| Battery Type | Lead-acid or Li-lon | | | | |
| Battery Voltage Range (V) | 40~60 | | | | |
| Max. Charging Current (A) | 90 | 120 | 135 | | |
| Max. Discharging Current (A) | 90 | 120 | 135 | | |
| External Temperature Sensor | | Yes | | | |
| Charging Curve | | 3 Stages / Equalization | | | |
| Charging Strategy for Li-Ion Battery | | Self-adaption to BMS | | | |
| PV String Input Data | | · | | | |
| Max. DC Input Power (W) | 4680 | 6500 | 7800 | | |
| Rated PV Input Voltage (V) | | 370 (125~500) | | | |
| Start-up Voltage (V) | | 125 | | | |
| MPPT Voltage Range (V) | | 150-425 | | | |
| Full Load DC Voltage Range (V) | | 300-425 | | | |
| PV Input Current (A) | | 13+13 | | | |
| Max. PV I _{SC} (A) | | 17+17 | | | |
| No.of MPP Trackers | | 2 | | | |
| No.of Strings per MPP Tracker | | 1 | | | |
| AC Output Data | | | | | |
| Rated AC Output and UPS Power (W) | 3600 | 5000 | 6000 | | |
| Max. AC Output Power (W) | 3600 3690 | 5000 5500 | 6000 6600 | | |
| AC Output Rated Current (A) | | | 27.3/26.1 | | |
| Max. AC Current (A) | 16.4/15.7 | 22.7/21.7 | | | |
| | 18/17.2 | 25/23.9 | 30/28.7 | | |
| Max. Continuous AC Passthrough (A) Peak Power (off grid) | 35 40 | | | | |
| Power Factor | 2 time of rated power, 10 S | | | | |
| | 0.8 leading to 0.8 lagging | | | | |
| Output Frequency and Voltage | | 0/60Hz; L/N/PE 220/230Vac (single pha | ase) | | |
| Grid Type | | Single Phase | | | |
| DC injection current (mA) | | THD<3% (Linear load<1.5%) | | | |
| Efficiency | | 07.600/ | | | |
| Max. Efficiency | | 97.60% | | | |
| Euro Efficiency | 96.50% | | | | |
| MPPT Efficiency | 99.90% | | | | |
| Protection | DVI | A cital is Day of Different | | | |
| Integrated | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection | | | | |
| Output Over Voltage Protection | DC Type II/AC Type III | | | | |
| Certifications and Standards | | | | | |
| Grid Regulation | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | | | | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | | |
| General Data | | | | | |
| Operating Temperature Range (°C) | -40~60°C,>45°C derating | | | | |
| Cooling | Natural cooling | | | | |
| Noise (dB) | <30 dB | | | | |
| Communication with BMS | RS485; CAN | | | | |
| Weight (kg) | 20.5 | | | | |
| Size (mm) | 330W x 580H x232D | | | | |
| Protection Degree | IP65 | | | | |
| Installation Style | Wall-mounted | | | | |
| Warranty | 5 years | | | | |
| 7 | | | | | |



SUN-3/3.6/5/6 K-SG04LP1-EU









6 6 time periods for battery charging/discharging



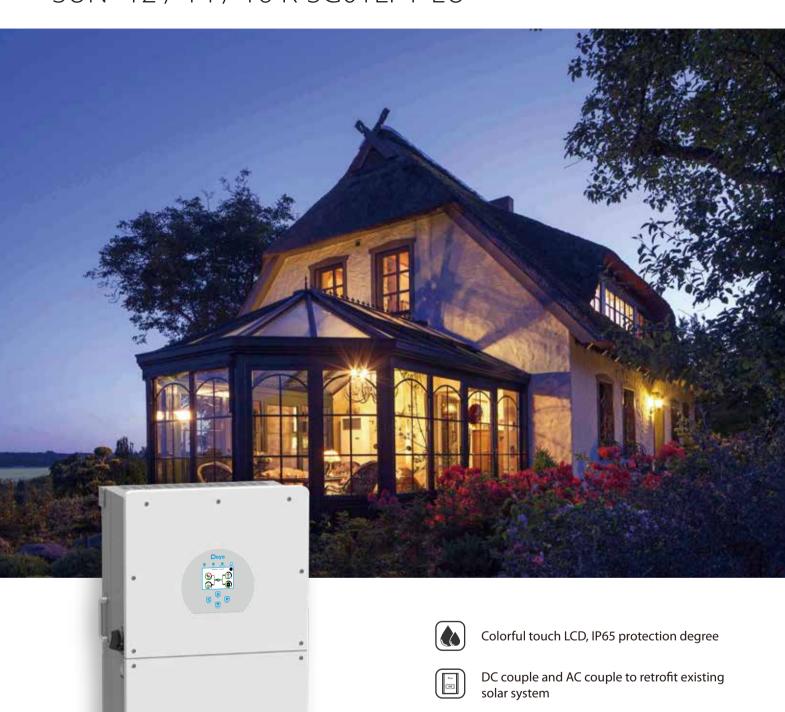
Support storing energy from diesel generator

Technical Data _ www.deyeinverter.com

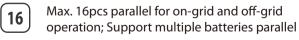
| Lead-acid or Li-lon | Model | SUN-3K -SG04LP1-24-EU | SUN-3K -SG04LP1-EU | SUN-3.6K -SG04LP1-EU | SUN-5K -SG04LP1-EU | SUN-6K -SG04LP1-EU |
|--|---------------------------------------|--|-----------------------|---------------------------------------|-----------------------|-----------------------|
| Lead-acid or L-lon | Battery Input Data | | | | | |
| attery Voltage Range (V) 20-30 40-60 40- | , . | | | Lead-acid or Li-lon | | |
| 140 70 90 120 135 | | 20~30 | 40~60 | 40~60 | 40~60 | 40~60 |
| Sex. Discharging Current (A) | | | | 17 77 | | |
| Vest | | | | | | |
| harging Gurve harging Strategy for Li-lon Battery Self-adaption to BMS Visting Input Power (W) 4ax DC Input Power (W) 4ax DC Input Power (W) 4ar-Lup Voltage (V) 125 125 19PT Voltage Range (V) 1150 - 425 411 | | 110 | 7.0 | | 120 | 133 |
| Narging Strategy for Li-lon Battlery Self-adaption to BMS | | | | | I | |
| VString Input Data Iax. DC Input Power (W) 3900 3900 4680 6500 7800 Iax. DC Input Power (W) 3900 3900 4680 6500 7800 Lart-up Voltage (W) 125 125 125 125 125 125 125 125 125 125 125 125 120 125 120 125 120 | | | | | | |
| Kax, DC Input Power (W) 3900 3900 4680 6500 7800 ated PV Input Voltage (V) 370 (125~500) Tartury Voltage (V) 125 Tartury Voltage (V) 150-425 Tartury Voltage Range (V) 150-425 Tartury Voltage Range (V) 150-425 Tartury Voltage Range (V) 113 13+13 Tartury Voltage Range (V) Tartury Voltage Range (V) 17 17+17 Tartury Voltage Range (V) Tartury Voltage Range (V) 17 17+17 Tartury Voltage Range (V) Tartury Voltage Range (V) 17 17+17 Tartury Voltage Range (V) Tartury Voltage Range (V) 18 | <i>y y y y</i> | | | Jen adaption to Jino | | |
| Startup Voltage (V) 370 (125-500) | 3 1 | 3900 | 3900 | 4680 | 6500 | 7800 |
| Interrup Voltage (V) | <u> </u> | | 3,00 | | | 7000 |
| IPPT Voltage Range (V) | | | | · · · · · · · · · · · · · · · · · · · | | |
| Vinput Current (A) | | - | | | | |
| Miput Current (A) | | | | | | |
| fax. PV | | |) | 300-423 | 12 : 12 | |
| Doof MPP Trackers | · | | | | | |
| COURT COUR | | | | | | |
| Act | | <u> </u> | | | | |
| According to the property According to the protection According to t | J 1 | | | 1 | | |
| Asia, AC Output Power (W) 3300 3690 5500 6600 | • | | | | | |
| Coutput Rated Current (A) 13.6/13 16.4/15.7 22.7/21.7 27.3/26.1 1ax. Continuous AC Passthrough (A) 15/14.3 18/17.2 25/23.9 30/28.7 35 40 2 time of rated power, 10 S ower Factor 0.8 leading to 0.8 lagging butput Frequency and Voltage 150/60Hz; L/N/PE 220/230Vac (single phase) 17 pe 17 Single Phase 17 Cinjection current (mA) 18 THD<3% (Linear load<1.5%) 18 Single Phase 19 Single Phase 10 Si | · · · · · · · · · · · · · · · · · · · | | | | | |
| dax. AC Current (A) 15/14.3 18/17.2 25/23.9 30/28.7 dax. Continuous AC Passthrough (A) 35 40 eak Power (off grid) 2 time of rated power, 10 S ower Factor 0.8 leading to 0.8 lagging butput Frequency and Voltage \$50/60Hz; L/N/PE 220/230Vac (single phase) putput Frequency and Voltage \$15/16.0 Compact (Compact) \$15/16.0 <tr< td=""><td><u> </u></td><td colspan="2">3300</td><td></td><td></td><td></td></tr<> | <u> </u> | 3300 | | | | |
| tax Continuous AC Passthrough (A) eak Power (off grid) 2 time of rated power, 10 S ower Factor 0.8 leading to 0.8 lagging tutput Frequency and Voltage frid Type Single Phase Cinjection current (mA) THD<3% (Linear load<1.5%) THD<3% (Linear load<1.5%) THDS (Minear load<1.5%) THDFEfficiency THDFEfficiency THDFEfficiency THDFEfficiency THOS (Minear load) THOS | · | 13.6/13 | | | | 27.3/26.1 |
| eak Power (off grid) ower Factor ower Sold-Base ower Sold-Base ower John Swell (single phase) ower Factor ower Factor ower Sold-Base ower John Swell (single phase) ower John Swell (single p | . , , | 15/14.3 | | | 25/23.9 | 30/28.7 |
| over Factor 0.8 leading to 0.8 leading to 0.8 lagging butput Frequency and Voltage 50/60Hz; L/N/PE 220/230Vac (single phase) fird Type Single Phase Chipection current (mA) THD<3% (Linear load<1.5%) fficiency dax. Efficiency 97.60% uro Efficiency 99.90% IPPT Efficiency 99.90% rotection PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, Output Shorted Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, Output | | | | | | 40 |
| trig Type Single Phase Cinjection current (mA) THD<3% (Linear load<1.5%) Alax. Efficiency Max. Efficiency PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Anti-islanding Protection, Surge protection PV Input Lightning Protection, Anti-islanding Protection, Surge protection PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PU Type II/AC Type III PU Type II/AC Type | | | | | | |
| Indit Type Indit Type Indit Type Indit Type Indication current (mA) Indication Residual Current Monitoring Unit, Output Over Current Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Pt String Input Reverse Polarity Protection, Output Shorted Protection, Pt String Input Reverse Polarity Protection, Output Shorted Protection, Pt String Input Reverse Polarity Protection, Output Shorted Protection, Pt String Input Reverse Polarity Protection, Output Shorted Protection, Pt String Input Reverse Polarity Protection, Output Shorted Protection, Pt String Input Reverse Polarity Protection, Output Shorted Input Reverse Polarity Protection, Output Polarity Input Reverse Polarity Protection, Output Polarity Input Reverse Polarity Protection, Output Polarity | ower Factor | | | | | |
| THD<3% (Linear load<1.5%) fficiency fficie | | | | | | |
| Max. Efficiency Max. Max. Max. Max. Max. Max. Max. Max. | | Single Phase | | | | |
| Asx. Efficiency 97.60% uro Efficiency 96.50% IMPPT Efficiency 99.90% Integrated PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Over Current Protection, Output Shorted Protection, Surge protection Insulation Resistor Detection, Anti-islanding Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Output Over Current Protection, Output Over Current Protection, Output Shorted Protection, Surge protection, Output Shorted Protection, Surge protection, Output Shorted Pro | OC injection current (mA) | | TI | HD<3% (Linear load<1.5 | (%) | |
| turo Efficiency PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PV Input Lightning Protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Putput Over Voltage Protection Pu | fficiency | | | | | |
| APPT Efficiency rotection PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Putput Over Voltage Protection Putput Over Vo | Лах. Efficiency | | | 97.60% | | |
| PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection PC Type III/AC Type III PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Output Shorted Protection, Surge protection PC Type III/AC Type III PUT INPUT | uro Efficiency | | | 96.50% | | |
| PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Putput Over Voltage Protection Putput III Putput Over Voltage Protection Putput III | MPPT Efficiency | | | | | |
| Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection Putput Over Voltage Protection Putput Over Volt | rotection | | | | | |
| rid Regulation CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 afety EMC / Standard IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-1 IEC/EN | ntegrated | Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, | | | | |
| CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 afety EMC / Standard interest EMC / Standard in | Output Over Voltage Protection | | | DC Type II/AC Type III | | |
| VDE 0126-1-1, RD 1699, C10-11 IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 IEC/ | Certifications and Standards | | | | | |
| teneral Data Operating Temperature Range (°C) Ooling Ooling | Grid Regulation | | | | , | |
| perating Temperature Range (°C) cooling Natural cooling loise (dB) communication with BMS Veight (kg) ize (mm) rotection Degree stallation Style 140~60°C, >45°C derating Natural cooling RS485; CAN 15.1 15.1 15.1 17.1 1 | afety EMC / Standard | | IEC/EN 61000-6 | -1/2/3/4, IEC/EN 62109- | 1, IEC/EN 62109-2 | |
| ooling Natural cooling loise (dB) <30 dB | ieneral Data | | | | | |
| Ioise (dB) <30 dB ommunication with BMS RS485; CAN Veight (kg) 14 15.1 ize (mm) 330W x 433H x238D rotection Degree IP65 isstallation Style Wall-mounted | perating Temperature Range (°C) | | | -40~60°C, >45°C deratir | ng | |
| communication with BMS RS485; CAN Veight (kg) 14 15.1 ize (mm) 330W x 433H x238D rotection Degree IP65 isstallation Style Wall-mounted | Cooling | | | | | |
| Veight (kg) 14 15.1 ize (mm) 330W x 433H x238D rotection Degree IP65 installation Style Wall-mounted | loise (dB) | <30 dB | | | | |
| ize (mm) 330W x 433H x238D rotection Degree IP65 wall-mounted | ommunication with BMS | | | RS485; CAN | | |
| ize (mm) 330W x 433H x238D rotection Degree IP65 wall-mounted | Veight (kg) | | | | | 5.1 |
| rotection Degree IP65 stallation Style Wall-mounted | ize (mm) | | | | | |
| nstallation Style Wall-mounted | rotection Degree | | | | | |
| · | nstallation Style | | | | | |
| | Varranty | - | | | | |



SUN- 12 / 14 / 16 K-SG01LP1-EU







Max. charging/discharging current of 290A

6 d time periods for battery charging/discharging



Support storing energy from diesel generator

Technical Data _____ www.deyeinverter.com

| Model | SUN-12K-SG01LP1-EU | SUN-14K-SG01LP1-EU | SUN-16K-SG01LP1-EU | | |
|---|---|---------------------------------------|--------------------|--|--|
| Battery Data | | | | | |
| Battery Type | | Lead-acid or Li-lon | | | |
| Battery Voltage Range (V) | 40~60 | | | | |
| Max. Charging Current (A) | 220 | 250 | 290 | | |
| Max. Discharging Current (A) | 220 | 250 | 290 | | |
| External Temperature Sensor | | Yes | | | |
| Charging Curve | | 3 Stages / Equalization | | | |
| Charging Strategy for Li-lon Battery | | Self-adaption to BMS | | | |
| PV String Input Data | | · | | | |
| Max. DC Input Power (W) | 15600 | 18200 | 20800 | | |
| Max. DC Input Voltage (V) | | 500 | | | |
| Start-up Voltage (V) | | 125 | | | |
| MPPT Range (V) | | 150-425 | | | |
| Rated DC Input Voltage (V) | | 370 | | | |
| PV Input Current (A) | | 26+26+26 | | | |
| Max. PV I _{SC} (A) | | 44+44+44 | | | |
| No.of MPP Trackers | | 3 | | | |
| No.of Strings per MPP Tracker | | 2 | | | |
| AC Output Data | | ۷ | | | |
| Rated AC OutputPower (W) | 12000 | 14000 | 16000 | | |
| | | | | | |
| AC Output Rated Current (A) Max. Continuous AC Passthrough (A) | 52.2 | 60.9 | 69.6 | | |
| Peak Power (off grid) | | 100 | | | |
| Peak Power (οπ grid) Power Factor | | 2 time of rated power, 5 S | | | |
| | | 0.8 leading to 0.8 lagging | 50) | | |
| Output Frequency and Voltage | 50/60Hz; L/N/PE 220/230Vac (single phase) | | | | |
| Grid Type | | Single Phase | | | |
| DC injection current (mA) | | <0.5%1n | | | |
| Backup Data | | | | | |
| Backup Power (W) | 10000 | 12000 | 14000 | | |
| Backup Rated Current (A) | 43.5 | 52.2 | 60.9 | | |
| Backup UPS | | 6ms Automatic switchover time | | | |
| Efficiency | | | | | |
| Max. Efficiency | | 97.60% | | | |
| Euro Efficiency | | 96.50% | | | |
| MPPT Efficiency | | 99.90% | | | |
| Integrated | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection | | | | |
| Output Over Voltage Protection | | DC Type II/AC Type III | | | |
| Certifications and Standards | | | | | |
| Grid Regulation | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | | | | |
| Safety EMC / Standard | IEC/EN 61 | 000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN | l 62109-2 | | |
| General Data | | | | | |
| Operating Temperature Range (°C) | | -40~60°C, >45°C derating | | | |
| Cooling | Smart cooling | | | | |
| Noise (dB) | <30 dB | | | | |
| Communication with BMS | RS485; CAN | | | | |
| Weight (kg) | 48.5 | | | | |
| Size (mm) | 464W×798.4H×300D | | | | |
| Protection Degree | IP65 | | | | |
| Installation Style | Wall-mounted | | | | |
| Warranty | | 5 years | | | |
| Features | | - , | | | |
| Max. Number of Parallel (PCS) | | 16 | | | |



SUN-5/6/8/10/12 K-SG04LP3-EU





240 Max. charging/discharging current of 240A

48V low voltage battery, transformer isolation design

6 6 time periods for battery charging/discharging



Support storing energy from diesel generator

Technical Data _ www.deyeinverter.com

| Model | SUN-5K -SG04LP3-EU | SUN-6K -SG04LP3-EU | SUN-8K -SG04LP3-EU | SUN-10K -SG04LP3-EU | SUN-12K -SG04LP3-EU |
|--------------------------------------|---|-----------------------|-------------------------|------------------------|------------------------|
| Battery Input Data | | | | | |
| Battery Type | Lead-acid or Li-lon | | | | |
| Battery Voltage Range (V) | | | 40~60 | | |
| Max. Charging Current (A) | 120 | 150 | 190 | 210 | 240 |
| Max. Discharging Current (A) | 120 | 150 | 190 | 210 | 240 |
| External Temperature Sensor | | | Yes | | |
| Charging Curve | | | 3 Stages / Equalization | 1 | |
| Charging Strategy for Li-Ion Battery | | | Self-adaption to BMS | | |
| PV String Input Data | | | | | |
| Max. DC Input Power (W) | 6500 | 7800 | 10400 | 13000 | 15600 |
| Rated PV Input Voltage (V) | | | 550 (160~800) | | |
| Start-up Voltage (V) | - | | 160 | | |
| MPPT Voltage Range (V) | - | | 200-650 | | |
| full Load DC Voltage Range (V) | | | 350-650 | | |
| PV Input Current (A) | | 13+13 | 330 030 | 26- | -13 |
| Max. PV I _{SC} (A) | _ | 17+17 | | 34- | |
| No.of MPP Trackers | | 1/ + 1 / | 2 | 341 | 17 |
| No. of Strings per MPP Tracker | - | 1 | 2 | 2.1 | 1 |
| AC Output Data | | ı | | 2+ | - |
| Rated AC Output and UPS Power (W) | 5000 | 6000 | 0000 | 10000 | 12000 |
| | 5000 | 6000 | 8000 | 10000 | 12000 |
| Aax. AC Output Power (W) | 5500 | 6600 | 8800 | 11000 | 13200 |
| AC Output Rated Current (A) | 7.6/7.2 | 9.1/8.7 | 12.1/11.6 | 15.2/14.5 | 18.2/17.4 |
| Aax. AC Current (A) | 11.4/10.9 | 13.6/13 | 18.2/17.4 | 22.7/21.7 | 27.3/26.1 |
| Max. Continuous AC Passthrough (A) | 45 | | | | |
| Peak Power (off grid) | 2 time of rated power, 10 S | | | | |
| Power Factor | 0.8 leading to 0.8 lagging | | | | |
| Output Frequency and Voltage | 50/60Hz; 3L/N/PE 220/380, 230/400Vac | | | | |
| Grid Type | Three Phase | | | | |
| OC injection current (mA) | | THI | D<3% (Linear load<1.5 | 5%) | |
| Efficiency | | | | | |
| Max. Efficiency | | | 97.60% | | |
| Euro Efficiency | 97.00% | | | | |
| MPPT Efficiency | 99.90% | | | | |
| Protection | | | | | |
| ntegrated | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection | | | | |
| Output Over Voltage Protection | DC Type II/AC Type III | | | | |
| Certifications and Standards | | | | | |
| Grid Regulation | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | | | | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | | |
| General Data | | | | | |
| Operating Temperature Range () | | -4 | 10~60 ,>45 deratir | ng | |
| Cooling | Smart cooling | | | | |
| Noise (dB) | <45 dB | | | | |
| Communication with BMS | RS485; CAN | | | | |
| Weight (kg) | 33.6 | | | | |
| Size (mm) | 422W x 699.3H x279D | | | | |
| Protection Degree | IP65 | | | | |
| - | Wall-mounted | | | | |
| nstallation Style | | | Wall-mounted | | |





Shenzhen BALUN Technology Co., Ltd.

Block B, 1/F., Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P.R.China

VERIFICATION OF CONFORMITY

Certificate No.:

BL-DG2090741D01

Applicant:

NingBo Deye Inverter Technology Co., Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China.

Manufacture:

NingBo Deye Inverter Technology Co., Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China.

Product:

Hybrid Inverter

Brand name:

DEYE

Model name:

SUN-5K-SG03LP1-EU, SUN-3.6K-SG03LP1-EU

The submitted sample of the above product has been tested according with below Standard(s) used for showing compliance with the essential requirements in the LVD directive (2014/35/EU):

| Report No.: |
|------------------|
| BL-DG2090741-B01 |
| |

CE

Simon Qi
Date of Issue: Oct. 10, 2020

Tel: +86 755 66850100

Fax: +86 755 61824271

Email: qc@baluntek.com



Shenzhen BALUN Technology Co., Ltd.

Block B, 1/F., Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P.R.China

VERIFICATION CONFORMITY

Certificate No.:

BL-DG2090741D02

Applicant:

NingBo Deye Inverter Technology Co., Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China.

Manufacture:

NingBo Deye Inverter Technology Co.,Ltd

Address:

No.26 South YongJiang Road, Daqi, Beilun, NingBo,Zhejiang, China.

Product:

Hybrid Inverter

Brand name:

DEYE

Model name:

SUN-5K-SG03LP1-EU, SUN-3.6K-SG03LP1-EU

The submitted sample of the above product has been tested according with below Standard(s)):

| Report No.: |
|------------------|
| BL-DG2090741-B01 |
| |

Date of Issue: Oct. 10, 2020

Email: qc@baluntek.com



Tel: +86 755 66850100

CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50545125 0001

Report No.: CN22LKKH 002

Holder: NingBo Deye Inverter Technology

Co., Ltd.

No. 26 South YongJiang Road, Dagi,

Beilun NingBo, 315800 Zhejiang

P.R. China

Product: PV-Inverter

(Hybrid Inverter)

Identification: Type Name : SUN-xK-SG04LP1-EU (x=3,3.6,5,6)

SUN-3K-SG04LP1-24-EU

Serial No.: Engineering Samples

Remark(s) : Issued in conjunction with TÜV Rheinland

license R50537526 0001-0006.

Refer to report: CN22LKKH 001 to 002

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 31.05.2022

TÜVRheinland

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg



Dongguan BALUN Testing Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.: BL-DG21C0658D02

Applicant: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacture: NingBo Deye Inverter Technology Co., Ltd.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product: Hybrid inverter

Brand name: Deye

SUN-5K-SG04LP3-EU, SUN-6K-SG04LP3-EU,

Model name: SUN-8K-SG04LP3-EU, SUN-10K-SG04LP3-EU,

SUN-12K-SG04LP3-EU

The submitted sample of the above product has been tested according with below Standard(s):

| Applied Standards: | Report No.: |
|------------------------------------|------------------|
| | BL-DG21C0658-B01 |
| IEC 62109-1:2010; IEC 62109-2:2011 | BL-DG21C0658-B01 |
| | attachment 1 |



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CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50545140 0001

Report No.: CN22PI7C 003

Holder: NingBo Deye Inverter Technology

Co., Ltd.

No. 26 South YongJiang Road, Dagi,

Beilun NingBo, 315800 Zhejiang

P.R. China

Product: <u>PV-Inverter</u>

(Hybrid Inverter)

Identification: Type Name : SUN-xK-SG04LP3-EU (x=5,6,8,10,12)

Serial No.: Engineering Samples

Remark(s): Issued in conjunction with TÜV Rheinland

license R50533254 0001-0006.

Refer to report: CN22PI7C 001 and 003

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 31.05.2022

TÜVRheinland Pruce Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg



CERTIFICATE

of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50533273 0001

Report No.: CN22PI7C 001

Holder: NingBo Deye Inverter Technology

Co., Ltd.

No. 26 South YongJiang Road, Daqi,

Beilun NingBo, 315800 Zhejiang

P.R. China

Product: PV-Inverter

(Hybrid Inverter)

Identification: Type Name : SUN-xK-SG04LP3-EU (x=5,6,8,10,12)

Serial No.: Engineering Samples

Remark(s) : Issued in conjunction with TÜV Rheinland

license R50533254 0001-0005.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 31.03.2022

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives are complied with.

CE

TÜV Rheinland (China) Ltd.Member of TÜV Rheinland Group



NingBo Deye Inverter Technology

Co., Ltd. Ji Dehai Date : 01.04.2022 Our ref. : DJW 01

Our ref.: DJW 01 Your ref.: Ji Dehai

No. 26 South YongJiang Road, Daqi, Beilun NingBo, 315800 Zhejiang P.R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment: Hybrid Inverter Model Designation: See Certificate Certificate No.: AN 50533273 0001 Report No.: CN22PI7C 001

Dear Ji Dehai,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

Enclosure

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