

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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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



1 MPP tracker, Max. efficiency up to 97.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Low start-up voltage of 80V

Deye

Clean Power For You

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)	550					
Start-up DC Input Voltage (V)	80					
MPPT Operating Range (V)	70~550					
Max. DC Input Current (A)	12.5					
Number of MPPT / Strings per MPPT	1 / 1					
Output Side						
Rated Output Power (kW)	0.7	1	1.5	2	2.5	3
Max. Active Power (kW)	0.8	1.1	1.7	2.2	2.8	3.3
Rated AC Grid Voltage (V)	220 / 230 (Optional)					
AC Grid Voltage Range (V)	160 Vac~300 Vac (this may vary with grid standards)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Single phase					
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 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%	97.3%	97.3%	97.3%	97.5%	97.5%
Euro Efficiency	97.1%	97.1%	97.1%	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					
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×115D					
Weight (kg)	6					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
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 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

Single Phase String Inverter

SUN- 3.6 / 5 / 6 K-G



Clean Power For You



2 MPP tracker, Max. efficiency up to 97.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



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)	550		
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 standards)		
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		
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×172D		
Weight (kg)	11		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
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 mateable		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/Wifi/LAN		

Single Phase String Inverter

SUN- 7.5 / 8 / 10 K-G



2 MPP tracker, Max. efficiency up to 97.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

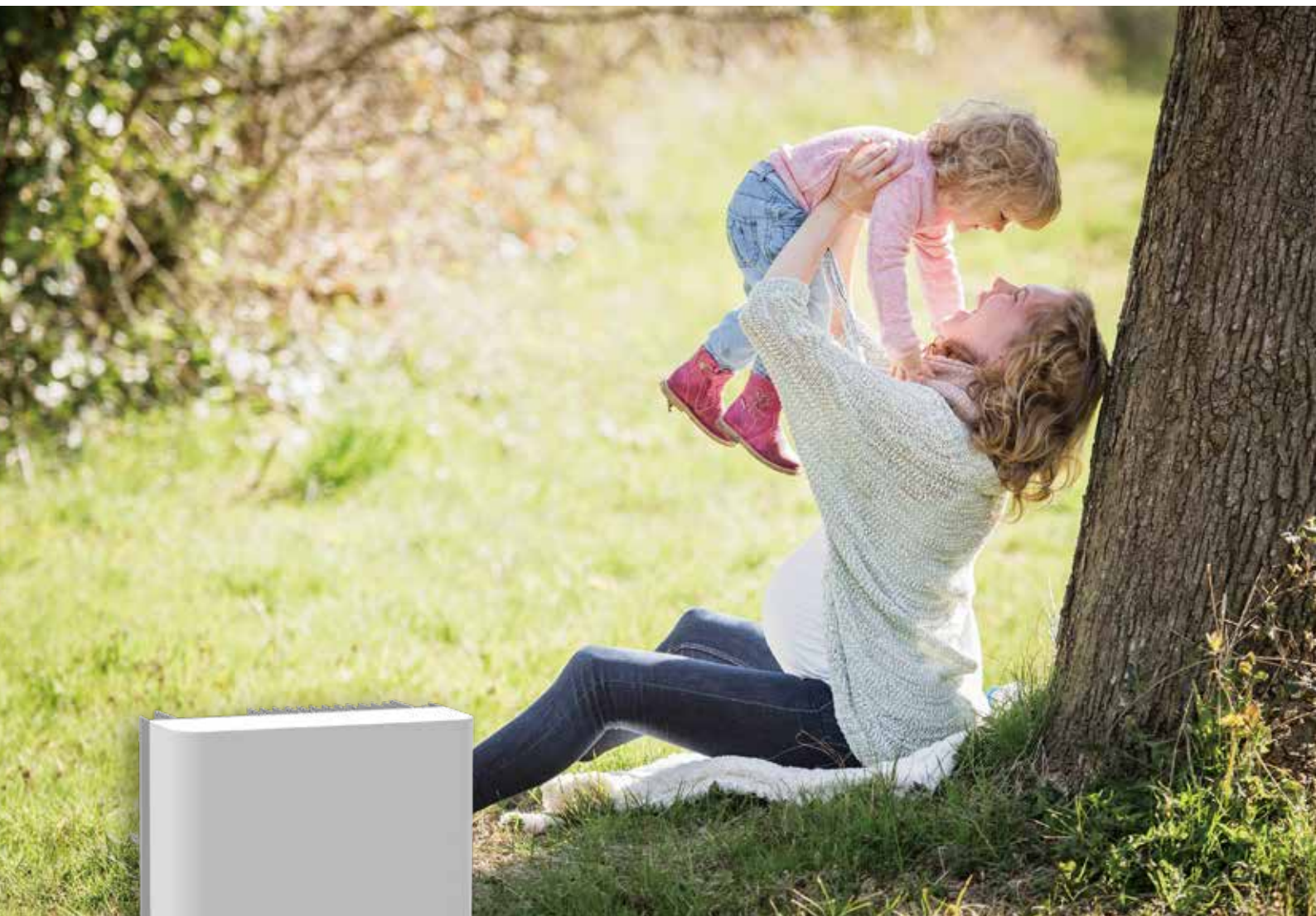
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Clean Power For You

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)	230		
AC Grid Voltage Range (V)	180Vac~300 Vac (this may vary with grid standards)		
Rated Grid Frequency (Hz)	50 / 60 (Optional)		
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	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	97.7%		
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)	330Wx310Hx198.5D		
Weight (kg)	11		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
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	ABNT NBR 16149, ABNT NBR16150, ABNT NBR IEC 62116		
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		

Three Phase String Inverter

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



2 MPP tracker, Max. efficiency up to 98.3%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

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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)	1000					
Start-up DC Input Voltage (V)	140					
MPPT Operating Range (V)	120~850					
Max. DC Input Current (A)	12.5+12.5					
Number of MPPT / Strings per MPPT	2/1					
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 standards)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
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)	<0.5%					
Grid Frequency Range	47~52 or 57~62 (Optional)					
Efficiency						
Max. Efficiency	98.3%					
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)	330Wx430Hx177D					
Weight (kg)	15					
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	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					

Three Phase String Inverter

SUN- 12 / 15 K-G03



2 MPP tracker, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

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Clean Power For You

Model	SUN-12K-G03	SUN-15K-G03
Input Side		
Max. DC Input Power (kW)	15.6	19.5
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	250	
MPPT Operating Range (V)	200~800	
Max. DC Input Current (A)	11+22	
Number of MPPT / Strings per MPPT	2 / 1+2	
Output Side		
Rated Output Power (kW)	12	15
Max. Active Power (kW)	13.2	16.5
Rated AC Grid Voltage (V)	230 / 400	
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Three phase	
Rated AC Grid Output Current (A)	17.4	21.8
Max. AC Output Current (A)	19.1	23.9
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	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)	330Wx430Hx193.5D	
Weight (kg)	17	
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	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	

Three Phase String Inverter

SUN- 18 / 20 / 25 K-G02



2 MPP tracker, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Clean Power For You

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			
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 standards)		
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	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	98.6%		
Euro Efficiency	97.8%		
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)	400Wx520Hx240.5D		
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	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	LCD 240 × 160		
Interface	RS485/RS232/Wifi/LAN		

Three Phase String Inverter

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



Max. 4 MPP tracker, Max. efficiency up to 98.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Type II DC/AC SPD



Anti-PID function (Optional)

Deye

Clean Power For You

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)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200~850					
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						
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 / 400					
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three 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	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	98.7%					
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 II / AC Type II					
General Data						
Size (mm)	647.5W×537H×303.5D					
Weight (kg)	44.5					
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	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	LCD 240 × 160					
Interface	RS485/RS232/Wifi/LAN					

Three Phase String Inverter

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



4 MPP tracker, Max. efficiency up to 98.7%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Type II DC/AC SPD



Anti-PID function (Optional)

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Clean Power For You

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			
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)	230 / 400			
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three phase			
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	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	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			
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)	700W×575H×297D			
Weight (kg)	60			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Running Temperature	-25~65℃			
Ingress Protection	IP65			
Noise Emission (Typical)	<55 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				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	LCD 240 × 160			
Interface	RS485/RS232/Wifi/LAN			

Three Phase String Inverter

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



Max. 6 MPP trackers, Max. efficiency up to 98.7%

1.5

Max. DC/AC ratio upto 1.5



Zero export application, VSG application



Anti-PID function (Optional)



String intelligent monitoring (optional)



Type II DC/AC SPD

Model	SUN-70K-G03	SUN-75K-G03	SUN-80K-G03	SUN-90K-G03	SUN-100K-G03	SUN-110K-G03
Input Side						
Max. DC Input Power (kW)	105	112.5	120	135	150	150
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
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)	220 / 380, 230 / 400					
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
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	>0.99					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	47~52 or 57~62 (Optionl)					
Efficiency						
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					
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)	838W×568H×323D					
Weight (kg)	73.7					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65℃					
Ingress Protection	IP65					
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	IEC62109-1/-2, IEC61000-6-2, IEC61000-6-4, IEC61000-3-11, IEC61000-3-12					
Features						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD 240 × 160					
Interface	RS485/RS232/Wifi/LAN					

CERTIFICATE OF CONFORMITY

Certificate number

No: 2618/0359/IND-E1-CER

Holder

NingBo Deye Inverter Technology Co., Ltd.
No. 26 South YongJiang Road, NingBo, China

Trademark



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	3	2	1
Nominal Voltage [V]	230						
Nominal Frequency [Hz]	50						
Firmware version	Display software version: Ver 144 Control software version: Ver 3109						
Number of phases	Single phase						
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.

- 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 n° 2618/0359/IND-CER.

Madrid, 5th of December 2019



Daniel Arranz Muñiz
Certification Manager



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, Daqi, 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: 

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.




David Guo
Senior Technical Manager
SGS-CSTC



2021-04-30

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Member of SGS Group (Société Générale de Surveillance)

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	550V								
Max. input current	12.5A					12.5A+12.5A			
Start-up input voltage	70Vd.c.	80Vd.c.							
MPPT voltage range	50V~550V				70V~550V				
Output (AC)									
Rated grid voltage	230V (L/N/PE)								
Rated grid frequency	50Hz								
Rated output power	1.0kW	1.5kW	2.0kW	2.5kW	3.0kW	3.6kW	4.0kW	5.0kW	6.0kW
Rated output current	4.3A	6.5A	8.7A	11A	13.1A	15.7A	17.4A	21.7A	26.1A
Power factor	>0.99(adjustable+/-0.8)								
Ambient temperature	-25 °C ~60 °C								
Ingress protection	IP65								
Protective class	Class I								

David Guo

Senior Technical Manager

SGS-CSTC

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, Daqi, Beilun, NingBo, China.

Product: PV Solar Grid Tie Inverter

Brand name: 

Model name: SUN-18K-G03, SUN-15K-G03, SUN-12K-G03, SUN-10K-G03,
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:	Report No.:
EN 62109-1:2010, EN 62109-2:2011	BL-DG2140468-B01 BL-DG2140468-B01 attachment 1





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: 

Model name: SUN-18K-G03, SUN-15K-G03, SUN-12K-G03, SUN-10K-G03,
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.:
IEC 62109-1:2010, IEC 62109-2:2011	BL-DG2140468-B01 BL-DG2140468-B01 attachment 1



CERTIFICATE OF CONFORMITY

Certificate number

No: 2619/0335-CER

Holder & Manufacturer

NingBo Deye Inverter Technology Co., Ltd.
No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

Trademark



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]	5	6	7	8	10	12	15	18
Nominal Voltage [V]	3W / PE 400							
Nominal Frequency [Hz]	50 / 60							
Firmware version	Display software version: Ver 0208 Control software version: Ver 1813							
Number of phases	Three phase							
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 Muñoz
Certification Manager





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 60068-2-2:2007	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 Guo
Senior Technical Manager
SGS-CSTC



2021-01-19

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No.:

GZES2101001227PV

Other information added :

Rating:

Model Number	SUN-6K-G02	SUN-10K-G02	SUN-12K-G02	SUN-15K-G02	C	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 current	10Ad.c 10Ad.c	10Ad.c 10Ad.c	20Ad.c 10Ad.c	20Ad.c 20Ad.c	22Ad.c 22Ad.c	25Ad.c 25Ad.c	30Ad.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 current	8.7Aa.c x3	14.5Aa.c x3	17.3Aa.c x3	21.7Aa.c x3	26.1Aa.c x3	29.0Aa.c x3	36.2Aa.c x3
Power factor	0.8 leading to 0.8 lagging						
Ambient temperature	-25°C~60°C						
Ingress protection	IP65						
Protective class	Class I						


David Guo
Senior Technical Manager
SGS-CSTC



2021-01-19

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Member of SGS Group (Société Générale de Surveillance)

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: 

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.




David Guo
Senior Technical Manager
SGS-CSTC



2021-01-20

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Member of SGS Group (Société Générale de Surveillance)

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 current	10Ad.c 10Ad.c	10Ad.c 10Ad.c	20Ad.c 10Ad.c	20Ad.c 20Ad.c	22Ad.c 22Ad.c	25Ad.c 25Ad.c	30Ad.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 current	8.7Aa.c x3	14.5Aa.c x3	17.3Aa.c x3	21.7Aa.c x3	26.1Aa.c x3	29.0Aa.c x3	36.2Aa.c x3
Power factor	0.8 leading to 0.8 lagging						
Ambient temperature	-25°C~60°C						
Ingress protection	IP65						
Protective class	Class I						




David Guo

Senior Technical Manager

SGS-CSTC

2021-01-20

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Member of SGS Group (Société Générale de Surveillance)

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

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: Transformador fotovoltaico
Type of product

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: UTE C15-712-1/07.13
Standard 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 verify 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 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: 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

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: 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

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.


David Guo
Senior Technical Manager
SGS-CSTC



2021-02-10

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Member of SGS Group (Société Générale de Surveillance)

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			



David Guo
Senior Technical Manager
SGS-CSTC



2021-02-10

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Member of SGS Group (Société Générale de Surveillance)

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			



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Senior Technical Manager
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2021-02-10

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No.:

GZES2101000287PV

Test Standards: 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.



David Guo
Senior Technical Manager
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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

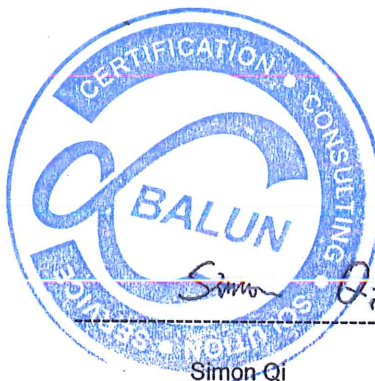
Product: PV Solar Grid Tie Inverter

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, 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) 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



Simon Qi

Date of Issue: Mar. 17, 2021

Tel: +86 755 66850100

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Email: qc@baluntek.com

web: www.baluntek.com

C E R T I F I C A T E

of Conformity



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.

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

Certification Body
A circular blue stamp with the text "TÜV Rheinland LGA Products GmbH" around the perimeter. In the center is the TÜV Rheinland logo. Below the stamp, the name "Weichun Li" is written in blue ink.
Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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


Weichun Li

CC: NingBo Deye Inverter Technology

Enclosure

证书的详细信息请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

Hybrid Inverter

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



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

16

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

190

Max. charging/discharging current of 190A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator

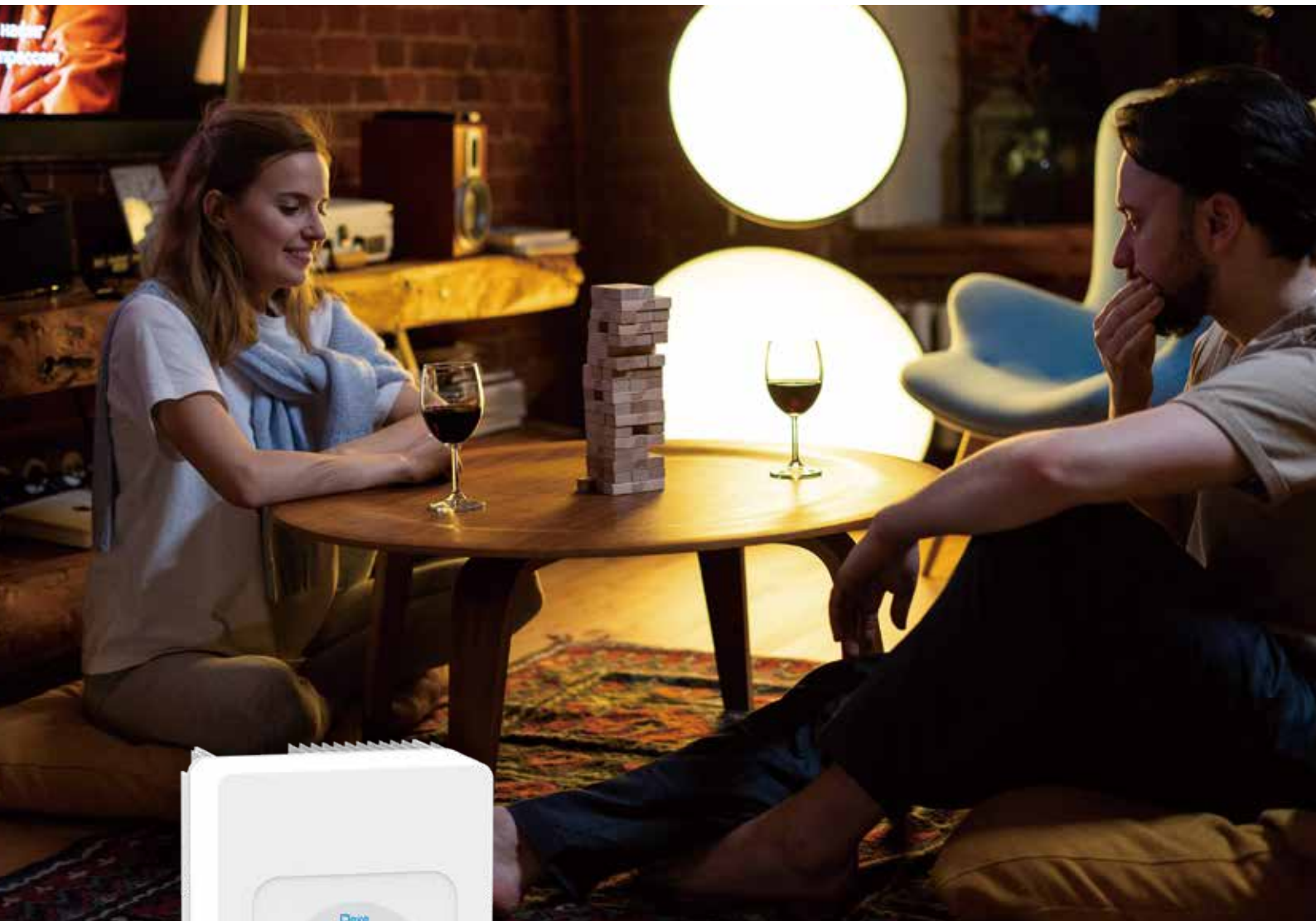
Deye

Stock Code: 605117.SH

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-Ion				
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				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. DC Input Power (W)	4680	6500	7800	9880	10400
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			200-425	
PV Input Current (A)	13+13			26+26	
Max. PV I _{SC} (A)	17+17			34+34	
No.of MPP Trackers				2	
No.of Strings per MPP Tracker	1			2	
AC Output Data					
Rated AC Output and UPS Power (W)	3600	5000	6000	7600	8000
Max. AC Output Power (W)	3690	5500	6600	8360	8800
AC 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	
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; L/N/PE 220/230Vac (single phase)				
Grid Type	Single Phase				
DC injection current (mA)	THD<3% (Linear load<1.5%)				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	99.90%				
Protection					
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)	24				
Size (mm)	330W x 580H x232D				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 years				

Hybrid Inverter

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



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

16

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

190

Max. charging/discharging current of 190A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator

Deye

Stock Code: 605117.SH

Model	SUN-3.6K-SG03LP1-EU		SUN-5K-SG03LP1-EU	SUN-6K-SG03LP1-EU
Battery Input Data				
Battery Type	Lead-acid or Li-Ion			
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)	3690	5500	6600	
AC Output Rated Current (A)	16.4/15.7	22.7/21.7	27.3/26.1	
Max. AC Current (A)	18/17.2	25/23.9	30/28.7	
Max. Continuous AC Passthrough (A)	35			40
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; L/N/PE 220/230Vac (single phase)			
Grid Type	Single Phase			
DC injection current (mA)	THD<3% (Linear load<1.5%)			
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	96.50%			
MPPT Efficiency	99.90%			
Protection				
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			

Hybrid Inverter

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



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

16

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

140

Max. charging/discharging current of 140A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator

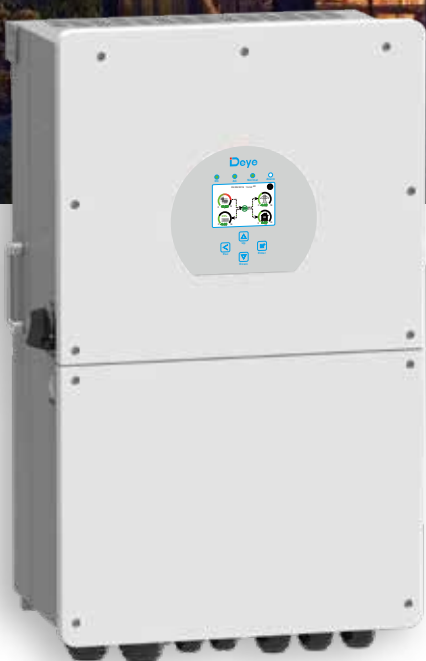
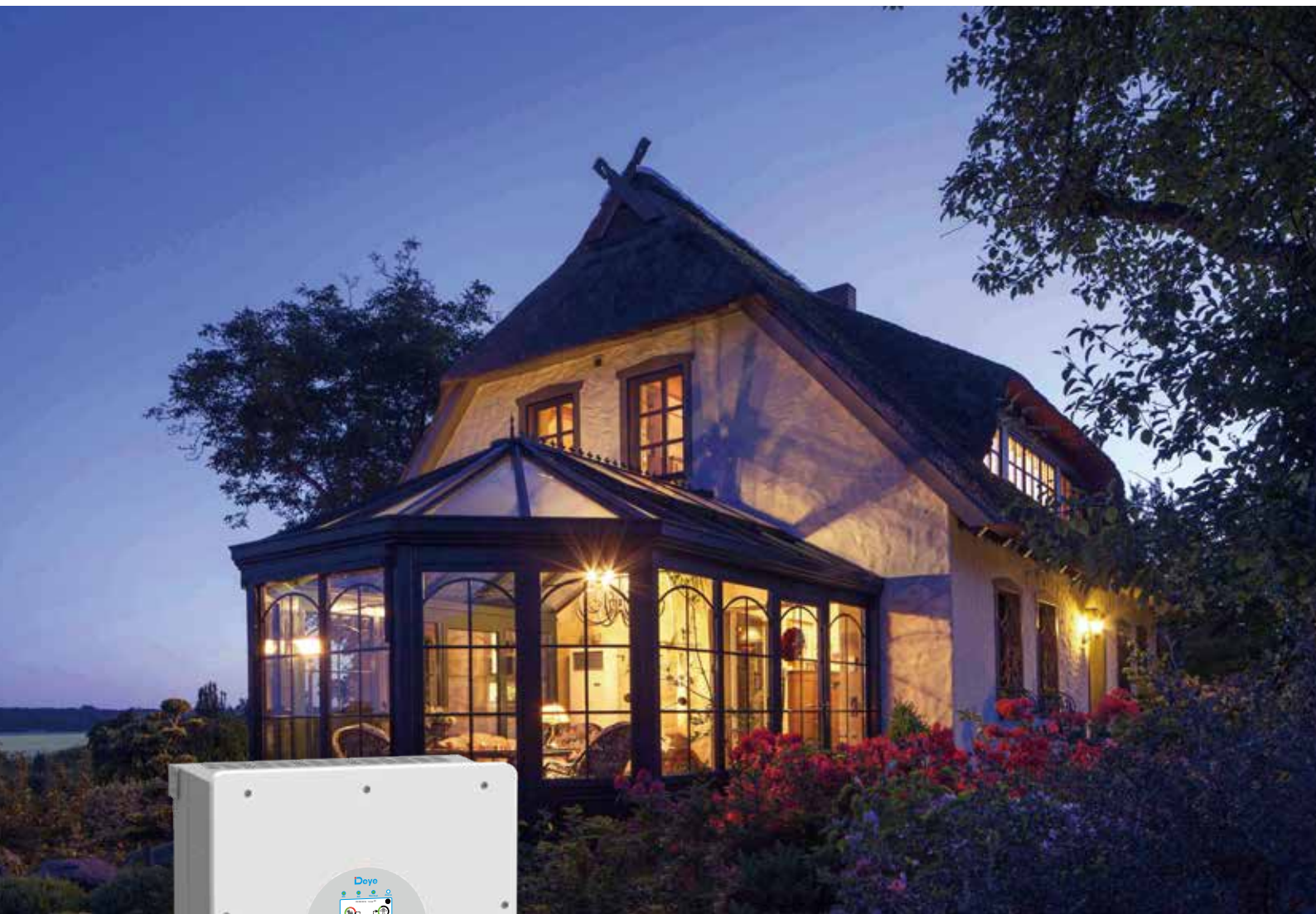
Deye

Stock Code: 605117.SH

Model	SUN-3K -SG04LP1-24-EU	SUN-3K -SG04LP1-EU	SUN-3.6K -SG04LP1-EU	SUN-5K -SG04LP1-EU	SUN-6K -SG04LP1-EU
Battery Input Data					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range (V)	20~30	40~60	40~60	40~60	40~60
Max. Charging Current (A)	140	70	90	120	135
Max. Discharging Current (A)	140	70	90	120	135
Number of battery input	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)	3900	3900	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+13			
Max. PV I _{SC} (A)	17	17+17			
No.of MPP Trackers	1	2			
No.of Strings per MPP Tracker	1				
AC Output Data					
Rated AC Output and UPS Power (W)	3000	3600	5000	6000	
Max. AC Output Power (W)	3300	3690	5500	6600	
AC Output Rated Current (A)	13.6/13	16.4/15.7	22.7/21.7	27.3/26.1	
Max. AC Current (A)	15/14.3	18/17.2	25/23.9	30/28.7	
Max. Continuous AC Passthrough (A)	35				40
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; L/N/PE 220/230Vac (single phase)				
Grid Type	Single Phase				
DC injection current (mA)	THD<3% (Linear load<1.5%)				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	99.90%				
Protection					
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)	14	15.1			
Size (mm)	330W x 433H x238D				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 years				

Hybrid Inverter

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



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

16

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

290

Max. charging/discharging current of 290A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator

Deye



Stock Code: 605117.SH

Model	SUN-12K-SG01LP1-EU	SUN-14K-SG01LP1-EU	SUN-16K-SG01LP1-EU
Battery Data			
Battery Type	Lead-acid or Li-Ion		
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-Ion 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			
Rated AC OutputPower (W)	12000	14000	16000
AC Output Rated Current (A)	52.2	60.9	69.6
Max. Continuous AC Passthrough (A)	100		
Peak Power (off grid)	2 time of rated power, 5 S		
Power 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		
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 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	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		

Hybrid Inverter

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



- 100** 100% unbalanced output, each phase; Max. output up to **50%** rated power
-  DC couple and AC couple to retrofit existing solar system
- 10** Max. 10pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 240** Max. charging/discharging current of 240A
- 48** 48V low voltage battery, transformer isolation design
- 6** 6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

Deye

Stock Code: 605117.SH

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-Ion				
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				
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			26+13	
Max. PV I _{SC} (A)	17+17			34+17	
No.of MPP Trackers	2				
No.of Strings per MPP Tracker	1			2+1	
AC Output Data					
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000
Max. 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
Max. 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				
DC injection current (mA)	THD<3% (Linear load<1.5%)				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
Protection					
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 ()	-40~60 , >45 derating				
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				
Installation Style	Wall-mounted				
Warranty	5 years				



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) :

Applied Standards:	Report No.:
EN 62109-1: 2010 EN 62109-2: 2011	BL-DG2090741-B01



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 OF 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) :

Applied Standards:	Report No.:
IEC 62109-1: 2010 IEC 62109-2: 2011	BL-DG2090741-B01



Tel: +86 755 66850100

Fax: +86 755 61824271

Email: qc@baluntek.com web: www.baluntek.com

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, Daqi,
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



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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





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: 

Model name: SUN-5K-SG04LP3-EU, SUN-6K-SG04LP3-EU,
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.:
IEC 62109-1:2010; IEC 62109-2:2011	BL-DG21C0658-B01 BL-DG21C0658-B01 attachment 1



Date of Issue: Dec. 31, 2021

Tel: +86 755 66850100

Fax: +86 755 61824271

Email: qc@baluntek.com

web: www.baluntek.com

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, 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 0001-0006.

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



Bruce Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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



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.



Date 31.03.2022


A. Chen

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.



NingBo Deye Inverter Technology
Co., Ltd.
Ji Dehai

Date : 01.04.2022
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



A. Chen

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询