Solar Optimal Long Life-cycle Accurate Xtraordinary

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#### Global: +86 571-56260008



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# ABOUT THE COMPANY

SolaX Power Network Technology (Zhejiang) Co., Ltd. was founded in 2012 and is committed to the field of smart energy microgrid, owning core products including PV on-grid inverters, energy storage inverters, energy storage batteries, PV energy storage systems, and more. To date, SolaX offers the most diversified product line globally and has the widest application coverage. SolaX is the global leader in the field of smart PV energy storage systems.

SolaX is a hi-tech enterprise that integrates R&D, production, sales and service as one, and is dedicated to providing grid-tied inverters, storage inverters, solar battery storage and smart PV energy storage systems.

SolaX has been authorized 91 national patents since its establishment, including more than 30 invention patents. SolaX inverters have been granted more than 500 international authorized certifications until now. At present, SolaX sells its products to more than 80 countries.

SolaX's products have passed the German VDE certification, Italian CEI certification, European Union EN certification, Australian SAA certification, American UL certification and other mainstream market certifications. SolaX is also the first Chinese manufacturer to obtain the Japanese S-Mark certificate for its residential energy storage system, which demonstrated the excellent performance and stable reliability of SolaX residential energy storage system.

In 2013, SolaX successfully launched Asian first X-Hybrid energy storage inverter, and now it's the 4th generation. SolaX is truly a leader in solar and energy storage industry.



#### **HANGZHOU** Focus on inverters and storage battery

SHENZHEN

Focus on North America Standard inverters

#### **SUZHOU** Focus on utility scale inverter

## **INVESTORS**

Main Shareholders & Investors



#### SPIC

State Power Investment Corporation

- One of the five major power  $\vartheta$  electricty companies in China

• Total assets of USD 157 billion in 2018--Data from fortune.com



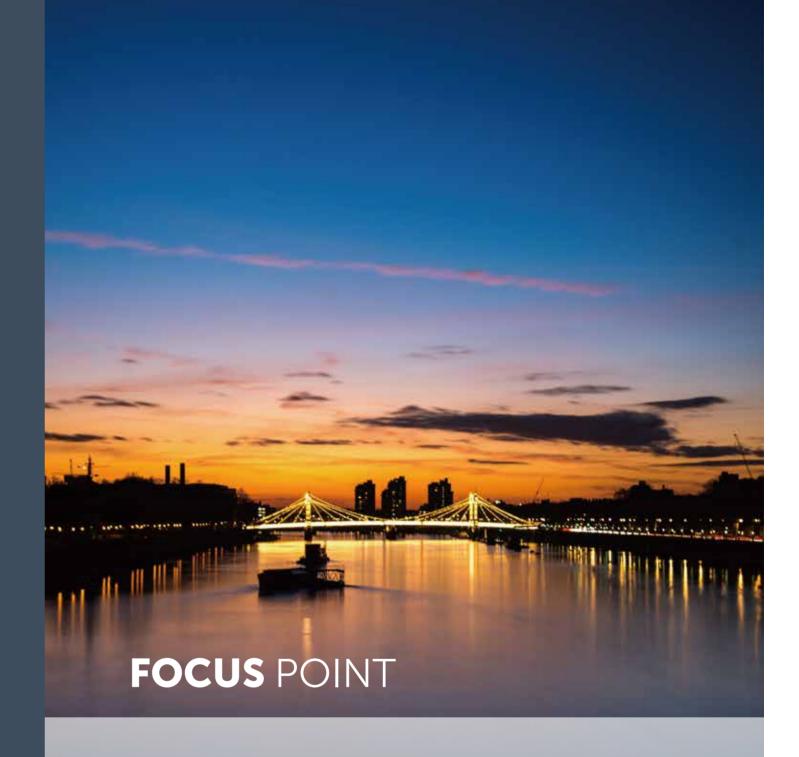
#### CTGC

China Three Gorges Corporation

• The largest hydroelectric power plant in the world

• One of the world's largest energy companies

• Total assets of USD 77.3 billion in 2014--Data from wikipedia



The SolaX vision is to be a world leader in the development, production and distribution of solar inverters and batteries for energy storage. The product range incorporates the very latest in solar innovation thanks to the continued focus on R&D and unceasing commitment to pushing back the boundaries of what is possible – a journey that has led to the launch of the ground-breaking Hybrid inverters and batteries storage system.



## 2021



reddot winner 2021



WORK TIMELINE

**2011**• First inverter delivered

**2012** • SolaX Power Set up

## 2013

Asian first energy storage inverterNew office in the UK

#### 2014

New office in Australia

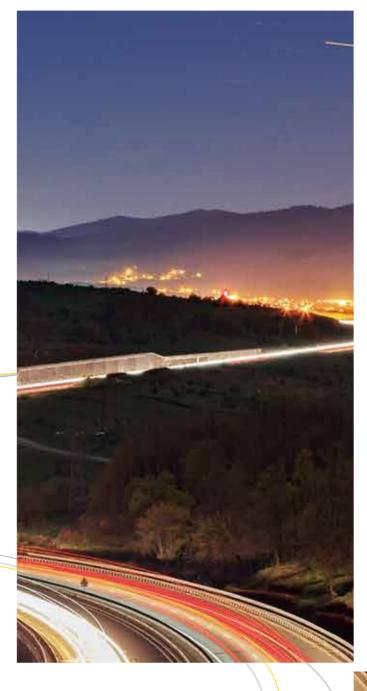
2015

 Europe's first 3-phase hybrid HV inverter

## 2016

• New office in the Netherlands

• X-Hybrid inverter released the third generation



## 2017

• Global release of AC energy storage solution

#### 2018

• New Triple Power HV battery

#### 2019

- New offices in Germany
- Released A1-ESS for North America

#### 2020

- Released X1-ESS G4
- Released J1ESS for Japan Market

# 2021Won 2021 Red Dot Award for Product Design



# WHERE WE WORK



# **ONE STOP** SOLUTION

All products are solely-developed and self-manufactured by SolaX, including hybrid inverters, storage batteries, BMS.

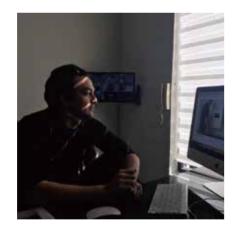
From manufacturing to after-sales support, you can trust us for high-quality products and services.



## **Training Support**

Dedicated technical experts provide professional trainings to

- Our Customers
- SolaX Power's Service staff
- Our global Service Providers Webinar online training On-Site traning





## **After Sales Service Support**

#### **Hotline Support**

• Assistance and technical support via phone or Email

#### Local Technical Support

• Local support engineers (AU, EU, UK, US)

#### Warranty

• 5 Years Standard Warranty with purchasable warranty extension up to 20 years



#### **On-Site Service**

#### Repair, and Maintenance

- On-Site service through SolaX Global Team
- Latest technical equipment and tools Short responding time, within 24h globally, and high flexibility
- Service and maintenance contracts available







# GLOBALLY CERTIFIED

## **CERTIFICATE AUTHORITY**



## Standards-Compliant



# **CLIENT** SAYS

	Five years already when my inverter was installed/in service, since then till now still in good working condition.	The syste
- 1	Normelito Ulep, Philippines	G Tronchin,
	Very flexible options. Designed with easy of install and use in mind.	As a user, good exp some min my love f SolaX in t
	Richard Meegdes, Netherlands	Mary
	Among these big brands, I think SolaX is the most technologically advanced brand, which brings me the best experience. I have its products at home, and it understands me better than other brands	Price qua Also a go
- 1	Lucy	Patrick, Belg
	Although the after-sales service is not very satisfactory, SolaX's products are definitely worth your purchase, which I have no doubt, so I will definitely recommend SolaX to those around me	They app products high degi
	Lendell	Bob, USA

em is reliable and efficient.

, South Africa

r, I think SolaX gives me a very perience. Although there were nor problems, it did not affect for it. I will continue to choose the future

ality the best on the market. ood after-sales service

lgium

bear to care about their s and their customers to a very pree.



















ROLAX









# SOLAX Projects





# SOLAX **CLOUD**

Everything you need to manage your power



- All Platforms
- Monitor Usage
- Real-time Information
- Automatic Notifications
- Simple Interface

## Control at your fingertips

Use your smart devices to connect and control your energy



Whether it's for residential or commercial applications, our centralized management and monitoring software can save your time and money. With SolaX Cloud, our customers and installers can always view critical data in real-time. Designed with the end-user in mind, the SolaX Cloud is simple to use. Everything you need at your fingertips.







# SOLAX

## X1-MINI

S: Single MPPT

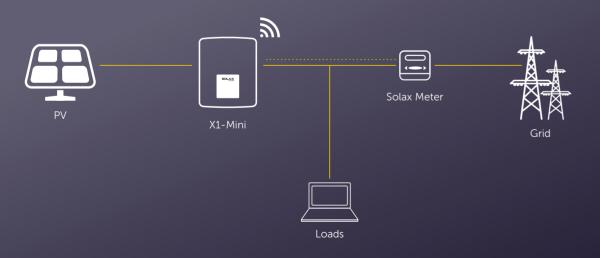
SINGLE-PHASE ON-GRID INVERTER

0.6~3.6kW

## Features

- Small and compact size
- 150% oversizing and 110% overloading
- Max. DC input 14A per string
- Low startup voltage and wide MPPT range
- CT/Meter compatibility
- Built-in SPD on both AC and DC side
- Remote upgrade and maintenance





## X1-MINI SINGLE-PHASE

SINGLE-PHASE	X1-0.6-S-D(L) X1-0.6-S-N(L)	X1-0.7-S-D(L) X1-0.7-S-N(L)	X1-1.1-S-D(L) X1-1.1-S-N(L)	X1-1.5-S-D(L) X1-1.5-S-N(L)	X1-2.0-S-D(L) X1-2.0-S-N(L)	X1-2.5K-S-D(L) X1-2.5K-S-N(L)	X1-3.0K-S-D(L) X1-3.0K-S-N(L)	X1-3.3K-S-D(L) X1-3.3K-S-N(L)	
DC INPUT									
Max. PV array input power [Wp]	900	1050	1650	2250	3000	3750	4500	4950	5400
Max. DC input voltage [V]	450	450	450	450	450	550	550	550	550
Startup voltage [V]	50	50	50	50	50	70	70	70	70
Nominal input voltage [V]	360	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	45 ~ 430	45 ~ 430	45 ~ 430	50 ~ 430	50 ~ 430	55 ~ 530	55 ~ 530	55 ~ 530	55 ~ 530
No. of MPP trackers / Strings per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Max. input current [A]	14	14	14	14	14	14	14	14	14
Max. short circuit current [A]		16	16	16	16	16	16	16	16
AC OUTPUT									
Nominal AC output power [W]	600	700	1100	1500	2000	2500	3000	3300	3680
Nominal AC output current [A]	2.61	3.04	4.78	6.52	8.7	10.8	13.04	14.3	16
Max. output apparent power [VA]	660(600 for VDE4105)	770	1210	1650	2200	2750	3300	3300	3680
Max. AC output current [A]	2.9	3.3	5.3	7.2	9.6	11.9	14.3	14.3	16
Nominal AC voltage [V]					30/240;180				
Nominal grid frequency / Grid frequency range [Hz]				LLOIL	50/60;+5	200			
Displacement power factor				0.8 le:	ading ~ 0.8 la	aqqinq			
THDi (Rated power) [%]				0.0 101	<3	399119			
SYSTEM DATA									
Max. Efficiency [%]					98				
Euro. Efficiency [%]	95.00	95.00	95.50	96.00	96.50	96.50	96.50	96.50	96.50
Standby consumption [W] @Night					0				
Degree of Protection					IP66				
Operating temperature range [°C]				-25	~ +60 (dera	ting at 45)			
Max. operation altitude [m]					<u>≤2000</u>				
Humidity [%]				0~1	00 (condens	ation)			
Typical noise emission [dB]				0 1	30				
Storage temperature [°C]					-30~+70				
Dimensions (WxHxD) [mm]				2	267 x 328 x 1	26			
Net weight [kg]	6	6	6	6	6	8.3	8.3	8.3	8.3
Cooling concept					Vatural cooli				
Communication interfaces		R\$485 / DI	RM / Pocket			LAN/4G) / US	SB/ (Optiona	I: CT/Meter)	
PROTECTION		113 103 7 21		Will (opde					
Over/under voltage protection					YES				
					YES				
DC isolation protection					YES				
Monitoring ground fault protection Grid monitoring					YES				
DC injection monitoring					YES				
Back feed current monitoring					YES				
Residual current detection		YES							
Anti-islanding protection					YES				
Over temperature protection					YES				
					YES				
STANDARD									
Safety					V/IEC62109-				
EMC			El	N61000-6-1/	2/3/4;EN610	)00-3-2/3/11,	/12		
Certification	IE	C61727, EN5	50549, G98/	G99, AS 477	7.2, VDE4105	5, CEI 0-21, R	D1699, UNE	206007-1, V	/FR

\* V3.1. Information may be subject to modify without notice.650.00020.00

## X1-BOOST

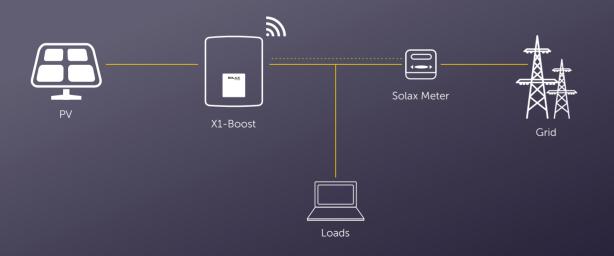
SINGLE-PHASE ON-GRID INVERTER

3.0~6.0kW

## Features

- Remote upgrade and maintenance
- 150% oversizing and 110% overloading
- Max. DC input 14A per string
- AC/DC built-in SPD
- CT/Meter compatibility
- Easy to install and setup
- 24h monitoring and maintenance (Optional)





# **X1-BOOST**

SINGLE-PHASE	X1-3.0-T-D(L) X1-3.0-T-N(L)	X1-3.3-T-D(L) X1-3.3-T-N(L)	X1-3.6-T-D(L) X1-3.6-T-N(L)	X1-4.2-T-D(L) X1-4.2-T-N(L)	X1-4.6-T-D(L) X1-4.6-T-N(L)	X1-5.0-T-D(L) X1-5.0-T-N(L)	X1-5.5K-T-D(L) X1-5.5K-T-N(L)	X1-6.0K-T-D(L) X1-6.0K-T-N(L)
DC INPUT								
Max. PV array input power [Wp]	4500	4950	5400	6300	6900	7500	8250	9000
Max. DC input voltage [V]	600	600	600	600	600	600	600	600
Startup voltage [V]	100	100	100	100	100	100	100	100
Nominal input voltage [V]	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580
No. of MPP trackers / Strings per MPP tracker	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Max. input current (Input A/Input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	14/14
Max. short circuit current (Input A/Input B) [A]	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16
AC OUTPUT								
Nominal AC output power [W]		3300	3680	4200	4600		5500	6000
Nominal AC output current [A]	13	14.3	16	18.3	20	21.7	23.9	26.1
Max. output apparent power [VA]		3630	4048(3680 for G98/TOR)	4620	5060		6050	6600(4600 for VDE41
Max. AC output current [A]	14.3	15.8	17.6(16 for G98/TOR)	20.1	22	23.9 <sup>3</sup>	26.3	28.7(20 for VDE410
Nominal AC voltage [V]				220/230/24	0: 180~280			
Nominal grid frequency / Grid frequency range [Hz]				50/60				
Displacement power factor				0.8 leading ~				
THDi (Rated power) [%]				<				
SYSTEM DATA								
Max. Efficiency [%]				97	.80			
Euro. Efficiency [%]				97	.00			
Standby consumption [W] @Night				<	:2			
Degree of Protection				IP	66			
Operating temperature range [°C]				-25~+60 (De	rating at 45°C)			
Max. operation altitude [m]				≤3	000			
Relative humidity [%]				0~100 (Co	ondensing)			
Typical noise emission [dB]				3	0			
Storage temperature [°C]				-30/	~+70			
Dimensions (W $\times$ H $\times$ D) [mm]				341.5 × 4	130 × 143			
Net weight [kg]	13.5	13.5	13.5	15	15	15	15	15
Cooling concept				Natural	Cooling			
Communication interfaces		Pocket WiFi /	(Opitional: Poc	ket LAN/4G) /	RS485 / DRM	/ USB / (Opti	onal: CT/Mete	r)
PROTECTION								
Over/under voltage protection				Y	ES			
DC isolation protection					ES			
Monitoring ground fault protection					ES			
Grid monitoring					ES			
DC injection monitoring					ES			
Back feed current monitoring					ES			
Residual current detection					ES			
Anti-islanding protection					ES			
Over temperature protection					ES			
SPD					ËS			
STANDARD				1				
				100	24.00 47.5			
Safety					52109-1/-2	17 14 4 14 0		
EMC					EN61000-3-2			
Certification			549, G98/G99,					
<ol> <li>5000 (4600 for VDE4105)</li> <li>5500 (4600 for VDE4105; 50)</li> </ol>	10 for C10/11)	27 0 (20 for \/D	E 410E . 01 7 fee C	10/11) +1/71	Information and		an a alifi itla a t .	



① 5000 (4600 for VDE4105) ② 5500 (4600 for VDE4105; 5000 for C10/11) ③ 23.9 (20 for VDE4105; 21.7 for C10/11) \* V3.1. Information may be subject to modify without notice.eso00020.00

## X3-MIC G2

THREE-PHASE ON-GRID INVERTER

3~15kW



## Features

#### High-efficiency

- Maximum efficiency is up to 98.3%
- Low startup voltage, ultrawide MPPT voltage range
- 200% oversizing, 110% overloading output (Except 15kW model)
- In-built global MPP scan for higher yield efficiency

#### Safe

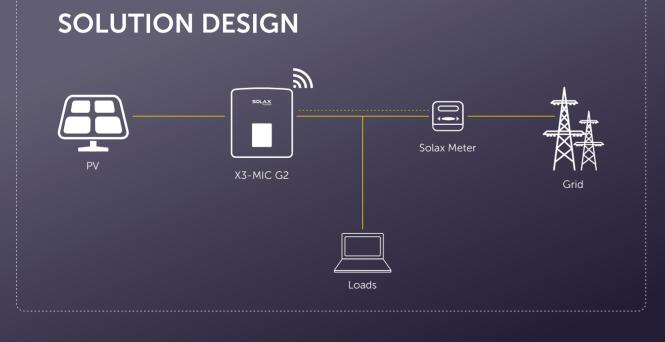
- IP66 protection
- Integrated SPD protection on both AC&DC

#### Smart

- Built-in export power control
- Remote setting and upgrading
- 24h monitoring and maintenance (Optional)
- Intelligent load management heat pump (Adapter Box required)
- Multiple monitoring methods, Pocket Wi-Fi/LAN/4G (Optional)

#### Economic

- Ultra-high power density
- Maximum 16A DC input current per string, support high power solar panels



# X3-MIC G2

THREE-PHASE	X3-MIC-3K-G2	X3-MIC-4K-G2	X3-MIC-5K-G2	X3-MIC-6K-G2	X3-MIC-8K-G2	X3-MIC-10K-G2	X3-MIC-12K-G2	X3-MIC-15K-G2
DC INPUT								
Max. PV array input power [Wp]	6000	8000	10000	12000	16000	20000	24000	30000
Max. PV input voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000
Startup voltage [V]	150	150	150	150	150	150	150	150
Nominal input voltage [V]	640	640	640	640	640	640	640	640
MPP tracker voltage range [V]	120~980	120~980	120~980	120~980	120~980	120~980	120~980	120~980
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1) <sup>①</sup>	2(2/1)	2(2/1)
Max. input current[A]	16/16	16/16	16/16	16/16	16/16		32/16	32/16
Max. short circuit current[A]	20/20	20/20	20/20	20/20	20/20	20/201	40/20	40/20
AC OUTPUT								
Nominal AC output power [W]	3000	4000	5000	6000	8000	10000	12000	15000
Nominal AC output current [A]	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.7/21.8
Max. AC output apparent power [VA]		4400	5500	6600	8800	11000	13200	15000
Max. AC output current [A]	4.8	6.4	8.0	9.6	12.8	16.0	19.1	22.7
		0.4				10.0	19.1	22.7
Nominal AC voltage [V]				220/380V, 230				
Nominal grid frequency/Grid frequency [Hz]				50/				
Displacement power factor				0.8 leading-				
THDi (Rated power) [%]				<	3			
SYSTEM DATA								
Max. efficiency [%]	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
Euro efficiency [%]	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
Standby consumption (night) [W]				<				
Ingress protection				IP6	56			
Operating temperature range [°C]				-30~+60(Dera	ting above 45)			
Max. operation altitude [m]				4000(Derating	above 3000)			
Relative humidity [%]				0~1	.00			
Typical noise emission [dB]	<30	<30	<30	<30	<45	<45	<50	<50
Storage temperature [°C]				-30~	+60			
Dimensions (WxHxD) [mm]		342*4	34*144.5			342*4	34*156	
Weight [kg]	15.5	15.5	15.5	15.5	17	17	18	18
Cooling concept		Natural	cooling			Smart fa	n cooling	
Communication interfaces		USB / RS485	/ DRM / Pocke	et WiFi (Optiona	l: Pocket LAN/	4G) / Adapter b	ox(Optional)	
PROTECTION								
Over/under voltage protection				YE	S			
DC isolation protection				YE	S			
DC reverse protection				YE	S			
Grid monitoring				YE	S			
DC injection monitoring				YE	S			
Back feed current monitoring				YE	S			
Residual current detection				YE	S			
Anti-islanding protection				YE	S			
Over temperature protection				YE	S			
SPD (DC/AC)				Type III /	Type III			
Arc-fault circuit interrupter(AFCI)				Opti				
AC auxiliary power supply(APS)				Opti	onal			
STANDARD								
Safety			IEC/EN	62109-1; IEC/EI	N 62109-2; NB	/T 32004		
EMC				IEC/EN 61000				
Cetification	VDF4105	N 50549 AS 4	777.2: VDF4104	5; IEC 61727; IE		1683: IEC 6006	58: EN 50530-	NB/T 32004

0 Input 1 is optional with two strings(Max. input current: 32A, Max. short circuit current: 40A) \*V2.3. Information may be subject to modify without notice. 650.00003.00

## **X3-PRO G2**

THREE-PHASE ON-GRID INVERTER

8~30kW



## Features

#### High-efficiency

- Maximum efficiency is up to 98.5%
- Low startup voltage, ultrawide MPPT voltage range
- 150% DC oversizing, 110% AC overloading output
- In-built global MPP scan for higher yield efficiency

#### Safe

- SPD type II protection on both AC&DC
- ARC protection (Optional)
- IP66 protection

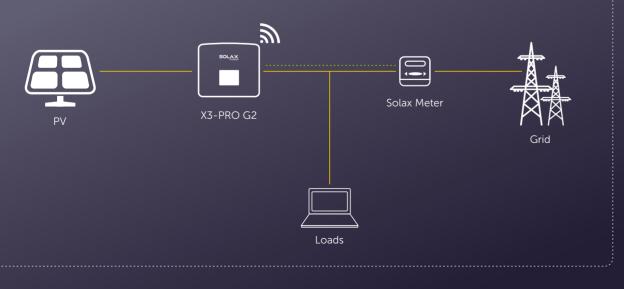
#### Smart

- Built-in export power control
- Intelligent load management heat pump (Adapter Box required)
- 24h monitoring and maintenance (Optional)
- Multiple monitoring methods, Pocket WiFi/LAN (Optional)/4G (Optional)

#### Economic

- Ultra-high power density
- Maximum 32A DC input current per MPP tracker, support high power solar panels
- Up to 3 MPPTs, 2 strings per MPPT
- Support Master/Slave parallel function





## **X3-PRO G2** THREE-PHASE

	X3-PRO-8K-G2	X3-PRO-10K-G2	X3-PRO-12K-G2	X3-PRO-15K-G2	X3-PRO-17K-G2	X3-PRO-20K-G2	X3-PRO-25K-G2	X3-PRO-30K-G2
DC INPUT								
Max. PV array input power [Wp]	12000	15000	18000	22500	25500	30000	37500	45000
Max. PV input voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100
Start startup voltage [V]	200	200	200	200	200	200	200	200
Nominal input voltage [V]	650	650	650	650	650	650	650	650
MPP tracker voltage range [V]				160	~980			
No. of MPP trackers	2	2	2	2	2	2	3	3
Strings per MPP tracker	2	2	2	2	2	2	2	2
Max. input current per MPPT [A]	32/32	32/32	32/32	32/32	32/32	32/32	32/32/32	32/32/32
Max. short circuit current per MPPT [A]	40/40	40/40	40/40	40/40	40/40	40/40	40/40/40	40/40/40
AC OUTPUT								
Nominal AC output power [W]	8000	10000	12000	15000	17000	20000	25000	30000
Nominal AC output current [A]	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	25.8/24.7	30.3/29	37.9/36.3	45.5/43.5
Max. AC output apparent power [VA]	8800	11000	13200	16500	18700	22000	27500	30000
Max. AC output current [A]	13.2	16	19.3	24.2	27.5	33.6	41.8	45.5
Nominal AC voltage [V]				220/380, 230/4	00, 3/N/PE, 3/F	PE		
Nominal grid frequency [Hz]				50	)/60			
Displacement power factor				0.8 leading	~ 0.8 lagging			
THDi (Rated power) [%]					<3			
SYSTEM DATA								
Max. efficiency [%]	98.20	98.20	98.20	98.30	98.30	98.30	98.50	98.50
Euro efficiency [%]	97.70	97.70	97.70	97.80	97.80	97.80	98.00	98.00
Standby consumption(Night) [W]					<3			
Ingress protection				IF	<sup>2</sup> 66			
Operating temperature range [°C]				-30~+60 (Der	ating above 45)			
Max. operation altitude [m]				4000 (Deratir	ng above 3000)			
Relative humidity [%]				0~	100			
Typical noise emission [dB]	<35	<35	<35	<55	<55	<55	<55	<58
Storage temperature [°C]				-30	~+60			
Dimensions (W×H×D) [mm]				482×4	417×181			
Weight [kg]		24.5			26			28
Cooling concept		Natural cooling	g			Smart fan cooli	ng	
Communication interfaces		USB / RS	5485 / DRM / Pc	ocket WiFi (Opti	onal: Pocket LA	N/4G) / Adapte	r box (Optional)	
PROTECTION								
Over/under voltage protection				Y	ES			
DC isolation protection				Y	ES			
Grid monitoring				Y	ES			
DC injection monitoring				Y	ES			
Residual current detection				Y	ES			
Anti-islanding protection					ES			
Over Temp protection					ES			
SPD (DC/AC)					/ Type II			
AC auxiliary power supply (APS)					ional			
Arc-fault circuit interrupter (AFCI)					ional			
STANDARD				000				
Safety			IEC/ENI	62109-1. IEC /E	N 62109-2; NB/	T 32004		
EMC			ILC/LIN		); NB/T 32004	. 32007		
						1607-150 0000	0. EN E0EZO - N	D/T 70004
Certification	VDE4105;	EIN 20249; AS	4777.2; VDE410	э, iec б1/2/; le	.с о2110; IEC 6.	1003, IEC 6006	0, EIN 50530; N	D/I 32004

\*V2.2. Information may be subject to modify without notice. 650.00004.00

## X3-MEGA G2

THREE-PHASE **ON-GRID INVERTER** 

40~60kW

## Features

#### More energy harvest

- Maximum efficiency 98.4%
- 180~1000Vdc MPPT voltage range
- Maximum 6 MPPTs, 2 strings per MPP tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current

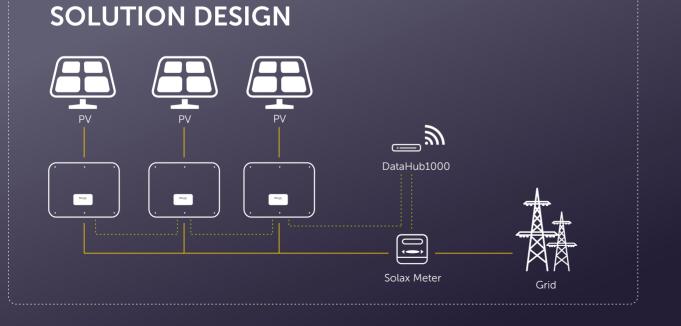
#### Safety & Reliability

- IP66 protection level
- AFCI protection (Optional)
- Both AC & DC SPDs (Type II) inside, Type I SPD is optional



#### Intelligence for easy maintenance and economy

- Built-in export power control
- Remote setting and upgrading
- Smart I-V Curve Diagnosis supported
- Aluminium AC cable connection available
- Current measuring for each of PV string
- Night-time reactive power compensation
- 24 hours operation monitoring (Optional)
- Power line communication (PLC) (Optional)
- Smart air cooling technique results in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 10% lighter and smaller



## **X3-MEGA G2** THREE-PHASE

#### X3-MGA-40K-G2

DC INPUT						
Max. PV array input power [kWp]	60	75	90			
Max. PV input voltage [V]		1100				
Startup voltage [V]		200				
Nominal input voltage [V]		600				
MPP tracker voltage range [V]		180~1000				
No. of MPP trackers	4	5	6			
Strings per MPP tracker	2	2	2			
Max. input current per MPPT [A]		32				
Max. short circuit current per MPPT [A]		46				
AC OUTPUT						
Nominal AC output power [kW]	40	50	60			
Nominal AC output current [A]	60.6 / 58	75.8 / 72.5	90.9 / 87			
Max. AC output apparent power [kVA]	44	55	66			
Max. AC output current [A]	66.7 / 63.8	83.3 / 79.7	100 / 95.7			
Nominal AC voltage [V]		220/380V, 230/400V, 3/N/PE, 3/P	E			
Nominal grid frequency [Hz]		50/60				
Displacement power factor		0.8 leading ~ 0.8 lagging				
THDi (Rated power) [%]		<3				
SYSTEM DATA						
Max. efficiency [%]		98.4				
Euro. efficiency [%]		98.1				
Standby consumption [W] @Night		<2				
Ingress protection		IP66				
Operating temperature range [°C]		-30~+60 (Derating above 45)				
Max. operation altitude [m]		4000 (Derating above 3000)				
Relative humidity [%]		0~100				
Dimensions [WxHxD] [mm]		630*521*286				
Weight [kg]	44	44.5	45.5			
Cooling concept		Smart fan cooling				
Communication interfaces		tional: Pocket WiFi/LAN/4G) / PLC(	Optional) / USB			
Display		LCD (Optional) / LED*4				
PROTECTION						
Over/under voltage protection		YES				
Over current protection		YES				
DC isolation protection		YES				
Grid monitoring		YES				
DC injection monitoring		YES				
Residual current detection		YES				
Anti-islanding protection		YES				
String fault detection		YES				
Over temperature protection		YES				
SPD (DC/AC)		Type II / Type II				
Arc-fault circuit interrupter (AFCI)		Optional				
AC auxiliary power supply (APS)		Optional				
Power line communication (PLC)		Optional				
STANDARD						
Safety	IEC/'	EN 62109-1; IEC/EN 62109-2; NB/T	32004			
EMC		EN/IEC 61000; NB/T 32004				
	VDE4105; EN 50549; AS 4	4777.2; VDE4105; IEC 61727; IEC 62	116; IEC 61683; IEC 60068;			
Certification		EN 50530; NB/T 32004				

\*V2.4. Information may be subject to modify without notice. 650.00002.00

## X3-FORTH

THREE-PHASE ON-GRID INVERTER

80~150kW

## Features

#### More energy harvest

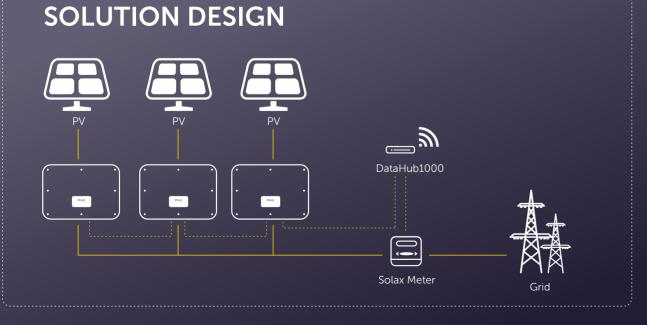
- Maximum efficiency up to 99%
- 180~1000Vdc MPPT voltage range
- Maximum 12 MPPTs, 2 strings per MPP tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current, 16A per string

#### Safety & Reliability

- IP66 protection level
- AFCI protection (Optional)
- AC terminal temperature detection
- Both AC&DC SPDs(Type II) inside, Type I+II SPD is optional

#### Intelligence for easy maintenance and economy

- Remote setting and upgrading
- 24 hours operation monitoring
- Smart I-V Curve Diagnosis supported
- SVG functional supported
- Aluminium AC cable connection available
- Power line communication (PLC)(Optional)
- Fuse free design with smart string current monitoring
- Smart air cooling technique results in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 5% lighter and smaller



## **X3-FORTH** THREE PHASE

				V1-111-170W	A0 1111 120K		
DC INPUT							
Max. PV array input power [kWp]	120	150	165	180	188	204	225
Max. PV input voltage [V]		1100	1100	1100	1100	1100	1100
Startup voltage [V]	200	200	200	200	200	200	200
Nominal input voltage [V]	580/600	580/600	580/600	580/600	580/600	730/785	730/785
MPP tracker voltage range [V]	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000
No. of MPP trackers	9	9	9	12	12	12	12
Strings per MPP tracker				2			
Max. input current per MPPT [A]				32			
Max. short circuit current per MPPT [A]				46			
AC OUTPUT							
Nominal AC output power [kW]		100	110	120	125	136	150
Nominal AC output current [A]	121.3/116	151.6/145	166.7/159.5	181.9/174	189.4/181.2	157.1/145.4	173.2/160.4
Max. AC output apparent power [kVA]		110	121	132	132	149.6	165
Max. AC output current [A]	133.4/127.6	166.7/159.5	183.4/175.4	200/191.3	200/191.3	172.8/160	190.6/176.5
Nominal AC voltage[V]			230/400, 3/N/PE,			500/540,3P3W+PE	
Nominal grid frequency [Hz]				50/60			
Displacement power factor			0.	8 leading-0.8 lagg	ing		
THDi (Rated power) [%]				<3			
SYSTEM DATA							
MPPT efficiency [%]				99.9			
Max. efficiency [%]	98.6	98.6	98.6	98.6	98.6	99.0	99.0
Ingress protection				IP66			
Operating temperature range [°C]			-30~	+60 (Derating abo	ove 45)		
Max. operation altitude [m]				0 (Derating above			
Relative humidity [%]				0~100			
Dimensions[W×H×D] [mm]				985×660×327.5			
Weight [kg]		83	83	87	87	87	87
Cooling concept				Smart fan cooling	1		
Communication interfaces		RS48	5 / (Optional: Poc	ket WiFi/LAN/4G)	/ PLC(Optional) /	/ USB	
Display			LC	D(Optional)/LED*	4		
PROTECTION							
Over/under voltage protection				YES			
DC isolation protection				YES			
Grid monitoring				YES			
DC injection monitoring				YES			
Residual current detection				YES			
Anti-islanding protection				YES			
String fault detection				YES			
SPD (DC/AC)				Type II / Type II			
Arc-fault circuit interrupter(AFCI)				Optional			
AC terminals over temperature detection				YES			
AC auxiliary power supply(APS)				Optional			
Power line communication(PLC)				Optional			
STANDARD							
Safety			IEC/EN 62109	)-1; IEC/EN 62109-	2; NB/T 32004		
EMC				EN 61000; NB/T 3			
Certification		549: AS47772: VF				3; EN 50530; NB/T	32004

\*V2.6 Information may be subject to modify without notice.650.00001.00

#### X3-FTH-80K X3-FTH-100K X3-FTH-110K X3-FTH-120K X3-FTH-125K X3-FTH-136K-MV X3-FTH-150K-MV

## **X1-HYBRID G4**

D: Should be used without matebox M: Should be used with matebox

SINGLE-PHASE 3.0~7.5kW

#### Features

#### High-efficient

- 150% PV oversized and 110% overload output
- Maximum 120% overload output
- Higher efficiency on charging and discharging, up to 97.0%
- Built-in shadow tracking function

#### Economic

- Maximum 16A DC input current, support for high power solar panel
- Store the surplus energy from PV to battery
- Low start output voltage makes inverter longer working time
- Less energy loss on battery to inverter

#### Intelligent

- Quick configuration with U-disk
- Lithium & Lead-acid battery compatible

SOLAX

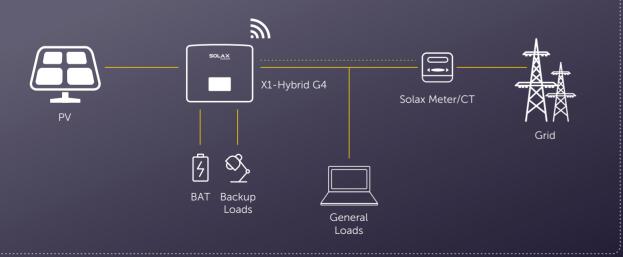
7

- Intelligent loads management(e.g., Heat pump)
- On & Off-grid parallel function, up to 15kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market

#### Safe

- IP65 protection level
- Integrated SPD





## **X1-HYBRID G4** SINGLE-PHASE

X1-HYBRID-3.0-D	X1-HYBR
X1-HYBRID-3.0-M	X1-HYBR

	ХІ-НҮВКІО-З.О-М	XI-HYBKID-J./-W	XI-HYBHID-D.U-M	XI-HIRHID-D'O-M	XI-HYBHID-7.5-I
DC INPUT					
Max. PV array input power [Wp]	4500	5500	7500	9000	10000
Max. PV input voltage [V]	600	600	600	600	600
Start output voltage [V]	90	90	90	90	90
Nominal input voltage [V]	360	360	360	360	360
MPP voltage range [V]	70~550	70~550	70~550	70~550	70~550
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)
Max. input current(input A/input B) [A]	16/16	16/16	16/16	16/16	16/16
Max. short circuit current(input A/input B) [A]	20/20	20/20	20/20	20/20	20/20
AC INPUT & OUTPUT					
Nominal AC output power [W]	3000	3680	5000	6000	7500
Max. AC output apparent power [VA]	3300	3680	5500	6600	7500
Max. AC output current [A]	14.4	16	23.9	28.6	32.6
Max. AC input apparent power [VA]	6300	7360	9200	9200	9200
Max. AC input current [A]	27.4	32	40	40	40
Nominal AC voltage [V]			230/240		
Nominal grid frequency [Hz]			50/60		
Displacement power factor			0.8 leading~0.8 lagging	1	
THDi (rated power) [%]			<2	·	
BATTERY DATA					
Battery type		Li-ion battery /	Lead-Acid Battery(Unde	r development)	
Battery voltage range [V]		,	80-480		
Max. continuous charge/discharge current [A]			30		
EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)					
Nominal output power [W]		3680	5000	6000	7500
Peak apparent power [VA]	3000		5000		7500
Max. continous current [A]	3600, 1h	3680	6000, 1h	7200, 10min	7500
	13	16	21.7	26.1	32.6
Nominal voltage[V]; Frequency [Hz] Switch time [ms]			230; 50/60 <10		
Parallel operation			YES		
			TES		
SYSTEM DATA					
Max. efficiency [%]			97.6		
Euro. efficiency [%]			97.0		
Battery charge/discharge effciency [%]*1			97.0/97.0		
Standby consumption [W] @Night			<3		
Degree of protection			IP65		
Operating temperature range [°C]		-35	~+60 (Derating above 4	5°C)	
Max. operation altitude [m]			<3000		
Relative humidity [%]		70	0~100		
Typical noise emission [dB]	<30	<30	<30	<30	<45
Storage temperature [°C]			-40~+65		
Dimensions(WxHxD) [mm]	24	24	482×417×181	2.4	
Net weight [kg]	24	24	24	24	25
Cooling concept	Nature cooling	Nature cooling	Nature cooling	Nature cooling	Smart cooling
Communication interfaces	CI/ Meter(optional)	)/ External control Rs48	5/ Pocket WiFi(Optional	Pocket Lan/4G)/ DRM/	USB Upgrade/ NTC
STANDARD					
Safety			EN/IEC62109-1/-2		
EMC		EN6100	0-6-1/2/3/4;EN61000-3-	2/3/11/12	
Certification	VDE4105 /G9	99 /G98 / AS4777 / EN505	49/ CEI 0-21 /IEC61727/R	D1699/NRS 097-2-1/PEA/	MEA/VFR2019

\*1: PV to BAT Max. efficiency 97.0%, BAT to AC Max. efficiency 97.0%

RID-3.7-D	X1-HYBRID-5.0-D	X1-HYBRID-6.0-D	X1-HYBRID-7.5-D
RID-3.7-M	X1-HYBRID-5.0-M	X1-HYBRID-6.0-M	X1-HYBRID-7.5-M

V2.1. Information may be subject to modify without notice. 650.00009.00

## **X3-HYBRID G4**

M: Should be used with matebox

THREE-PHASE HYBRID INVERTER

5.0~15kW

## Features

#### High-efficient

- 150% PV oversized and 110% overload output
- Maximum 150% overload output
- Higher efficiency on charging and discharging, up to 97.5%
- Built-in shadow tracking function

#### Economic

- Maximum 16A DC input current, support for high power solar panel
- Store the surplus energy from PV to battery
- Low start output voltage makes inverter longer working time
- Less energy loss on battery to inverter



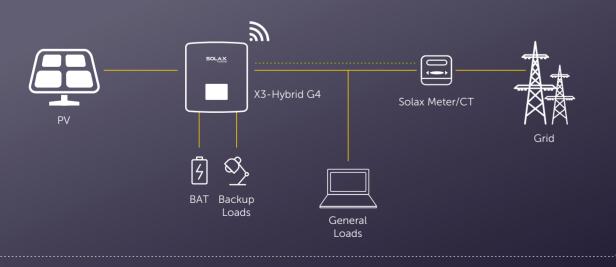
#### Intelligent

- Switchover time <10ms
- Quick configuration with U-disk
- Lithium & Lead-acid battery compatible
- CT compatible, loads respond within 0.3s
- Intelligent loads management(e.g., Heat pump)
- On & Off-grid parallel function, up to 150kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market
- Three-phase unbalanced output 50% nominal output power on single phase at most

#### Safe

- IP65 protection level
- Integrated SPD

## SOLUTION DESIGN



## **X3-HYBRID G4**

#### THREE-PHASE

DC INPUT

AC INPUT & OUTPUT

BATTERY DATA

Battery type

Switch time [ms] Parallel operation SYSTEM DATA Max. efficiency [%]

Euro. efficiency [%]

Typical noise emission [dB]

Communication interfaces

Storage temperature [°C] Dimensions (W×H×D) [mm]

Net weight [kg]

Cooling concept

STANDARD Safety

EMC

Certification

X3-HYBRID-5.0-D X3-HYBRID-6.0-D X3-HYBRID-8.0-D X3-HYBRID-10.0-D X3-HYBRID-12.0-D X3-HYBRID-15.0-D X3-HYBBID-5.0-M X3-HYBRID-6.0-M Max. PV array input power [Wp] 10000 Max. PV input voltage [V] 1000 Start output voltage [V] 200 Nominal input voltage [V] 640 MPP voltage range [V] 180~950 No. of MPP trackers/Strings per MPP tracker 2(1/1) Max. input current(input A/input B) [A] 16/16 Max. short circuit current(input A/input B) [A] 20/20 Nominal AC output power [W] 6000 Max. AC output apparent power [VA] 6600 Max. AC output current [A] 9.7 Max. AC input apparent power [VA] 12000 Max. AC input current [A] 19.3 Nominal AC voltage [V] Nominal grid frequency [Hz] Displacement power factor THDi (rated power) [%] Battery voltage range [V] Max. continuous charge/discharge current [A] EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY) Nominal output power [W] 6000 Peak apparent power [VA] 9000, 609 Max.continous current [A] 8.7 Nominal voltage[V]; Frequency [Hz] Battery charge/discharge effciency [%]\*1 Standby consumption [W] @Night Degree of protection Operating temperature range [°C] Max. operation altitude [m] Relative humidity [%]

\*1: PV to BAT Max. efficiency 98.5%, BAT to AC Max. efficiency 97.5%.

8000	10000	12000	15000		
1000	1000	1000	1000	1000	1000
200	200	200	200	200	200
640	640	640	640	640	640
180~950	180~950	180~950	180~950	180~950	180~950
2(1/1)	2(1/1)	2(2/1)	2(2/1)	2(2/1)	2(2/1)
16/16	16/16	26/16	26/16	26/16	26/16
20/20	20/20	30/20	30/20	30/20	30/20
5000	6000	8000	10000	12000	15000
5500	6600	8800	11000	13200	15000
8.1	9.7	12.9	16.1	19.3	24.1
10000	12000	16000	20000	20000	20000
16.1	19.3	25.8	32.0	32.0	32.0
		415/240; 400/			
		0.8 leading~			
		<			
	Li-ion b	attery/Lead-Acid Ba		oment)	
		180~	·650		
		70	0		
		30	0		
5000	6000			12000	15000
5000 7500,60s	6000 9000 60s	8000	10000	12000 15000_60s	15000
7500, 60s	9000, 60s	8000 12000, 60s	10000 15000, 60s	15000, 60s	16500, 60s
		8000 12000, 60s 11.6	10000 15000, 60s 14.5		
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230	10000 15000, 60s 14.5 0; 50/60	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6	10000 15000, 60s 14.5 0; 50/60 0	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE	10000 15000, 60s 14.5 0; 50/60 0 S	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE	10000 15000, 60s 14.5 ); 50/60 0 S	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <1/ YE 98 97	10000 15000, 60s 14.5 ); 50/60 0 S .0 .0 .7	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/	10000 15000, 60s 14.5 ); 50/60 0 S 0 7 /97.5	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <1/ YE 98 98 97 98.5/	10000 15000, 60s 14.5 0; 50/60 0 5 5 :0 (0 :7 '97.5 5	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ 98.5/ 1P6	10000 15000, 60s 14.5 550/60 0 5 50/60 0 5 50/60 0 5 50/60 0 5 5 5 5 5 5 5 5 5 5 5 5 5	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <11 YE 98 97 98.5/ 98.5/ <5 IPE -35~60 (Derating	10000 15000, 60s 14.5 55/60 0 S .0 .7 .7 .7 .7 .7 .7 .7 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	15000, 60s	16500, 60s
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ 98.5/ <5 1P6 -35~60 (Derating <30	10000 15000, 60s 14.5 55/60 0 S .0 .7 /97.5 55 55 55 55 55 55 55 59 above +45°C) 1000	15000, 60s	16500, 60s
7500, 60s 7.2	9000, 60s 8.7	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ <5 60 (Derating <30 0~1	10000 15000, 60s 14.5 0; 50/60 0 S .0 .0 .0 .7 '97.5 5 5 5 5 5 5 9 above +45°C) 100 .00 .00 .00 .00 .00 .00 .00	15000, 60s 17.5	16500, 60s 21.8
7500, 60s	9000, 60s	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ <5 0 0 -35~60 (Derating <30 0~1 <35	10000 15000, 60s 14.5 0; 50/60 0 S .0 .0 .0 .7 .97.5 55 55 100 .00 .00 .00 .35	15000, 60s	16500, 60s
7500, 60s 7.2	9000, 60s 8.7	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ 98 97 98.5/ <5 -35~60 (Derating <30 0~1 <35 -40~	10000 15000, 60s 14.5 ); 50/60 0 S .0 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	15000, 60s 17.5	16500, 60s 21.8
7500, 60s 7.2	9000, 60s 8.7	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ <5 60 (Derating <30 0~1 <35 -40~ 503x50	10000 15000, 60s 14.5 55/60 0 S .0 .7 /97.5 55 55 55 55 55 55 55 55 55	15000, 60s 17.5	16500, 60s 21.8
7500, 60s 7.2	9000, 60s 8.7 <35	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ <4 IP6 -35~60 (Derating <30 0~1 <35 -40~ 503×50 3(	10000 15000, 60s 14.5 55/60 0 S .0 .7 /97.5 55 55 55 55 55 55 55 55 55	15000, 60s 17.5	16500, 60s 21.8
7500, 60s 7.2	9000, 60s 8.7	8000 12000, 60s 11.6 400/230 <10 YE 98 97 98.5/ <5 60 (Derating <30 0~1 <35 -40~ 503x50	10000 15000, 60s 14.5 55/60 0 S .0 .7 /97.5 55 55 55 55 55 55 55 55 55	15000, 60s 17.5	16500, 60s 21.8

X3-HYBRID-8.0-M X3-HYBRID-10.0-M X3-HYBRID-12.0-M X3-HYBRID-15.0-M

18000

15000

EN/IEC62109-1/-2 EN61000-6-1/2/3/4:EN61000-3-2/3/11/12

VDE4105 /G99 /G98 / AS4777 / EN50549/ CEI 0-21 /IEC61727/PEA/MEA/NRS-097-2-1/RD1699/TOR

V2.1. Information may be subject to modify without notice. 650.00010.00

## X1-FIT G4

SINGLE-PHASE AC COUPLED HYBRID INVERTER

#### 3.0~7.5kW



## Features

#### High-efficient

- 110% overload output in on-grid situation
- Maximum 120% overload output in off-grid situation for one hour
- Higher efficiency on charging and discharging, up to 97.0%

#### Economic

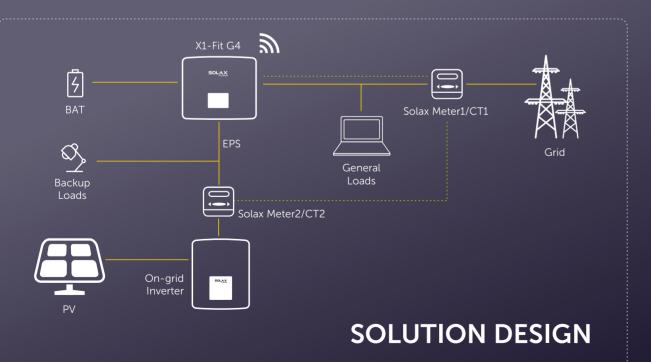
- Store the surplus energy to battery
- Less energy loss on battery to inverter

#### Safe

- IP65 protection level
- Integrated SPD

#### Intelligent

- Switchover time <10ms</li>
- Quick configuration with U-disk
- Lithium & Lead-acid battery compatible
- CT compatible, loads respond within 0.3s
- Intelligent loads management(e.g., Heat pump)
- On & Off-grid parallel function, up to 15kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market



## X1-FIT G4 SINGLE-PHASE

## X1-FIT-3.7-W

AC INPUT & OUTPUT				
Nominal AC output power [W]	3680	5000	6000	7500
Max. AC output apparent power [VA]	3680	5500(4600 for VDE4105, 4999 for AS4777, 5000 for C10/11)	6600	7500
Max. AC output current [A]	16	23.9	28.6	32.6
Max. AC input apparent power [VA]	7360	9200	9200	9200
Max. AC input current [A]	32	40	40	40
Nominal AC voltage		220 / 230	) / 240	
Nominal grid frequency [Hz]		50 / 6	60	
Displacement power factor		0.8 leading~(	0.8 lagging	
THDi,rated power [%]		<2		
BATTERY DATA				
Battery Type		Li-ion battery / Le	ad acid battery	
Battery voltage range [V]		80~4	.80	
Max.continuous charge/discharge current [A]		30		
EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)				
Nominal output power [W]	3680	5000	6000	7500
Peak apparent power [VA, min]	4416, 60	6000, 60	7200, 10	7500
Max.continous current [A]	16	21.7	26.1	32.6
Nominal Voltage[V]; Frequency [Hz]		230; 50	) / 60	
Switch time [ms]		<10	)	
Parallel Operation		YES	5	
SYSTEM DATA				
Battery charge/discharge effciency [%]		97.0 / 9	97.0	
Standby consumption [W] @Night		<3		
Degree of protection		IP65	5	
Operating temperature range [°C]		-35~+60 (Derati	ng above +45)	
Max. operation altitude [m]		<300	00	
Relative humidity [%]		0~10	00	
Typical noise emission [dB]	<30	<30	<30	<45
Storage temperature [°C]		-40~	70	
Dimensions [W×H×D] [mm]		482×417	7×181	
Net Weight [kg]		23		
Cooling concept	Natural cooling	Natural cooling	Natural cooling	Smart cooling
Communication interfaces	CT/ Meter(optio	onal) / External control RS485 / F	Pocket series (optional) / D	RM / USB Upgrade
STANDARD				
Safety		EN/IEC621	109-1/-2	
EMC		EN61000-6-1/2/3/4, EI	N61000-3-2/3/11/12	
Certification	VDE4	105 / G99 / G98 / AS4777 / EN5	0549 / CEI 0-21 / IEC61727	7/ C10/11

\*V2.4. Information may be subject to modify without notice.650.00018.00

## X1-FIT-5.0-W

## X1-FIT-6.0-W

## X1-FIT-7.5-W

## X1-AC

SINGLE-PHASE AC COUPLED HYBRID INVERTER

## 3.0~5.0kW

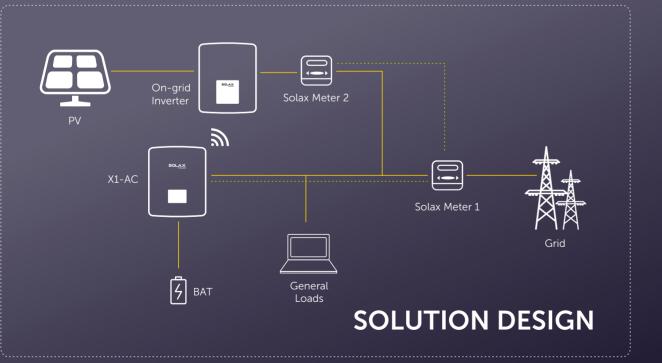


## Features

- Natural cooling, quiet and low maintenance
- Max efficiency up to 97%
- Multiple protection: RCD, isolation,over voltage over temperature, earth protection, short-circuit protection, etc

#### • Compatible with High-voltage batteries

• Transformerless design with software and hardware protection.



## X1-AC SINGLE-PHASE

## X1-AC-3.0

	XI-AL-J.U	XI-AL-J.D	XT-AU-4.0	XI-AL-D.U	
AC INPUT & OUTPUT					
Nominal AC output power [W]	3000	3680	4600	4999	
Nominal AC output current [A]	13	16	20	21.7	
Max. AC output apparent power [VA]	3000	3680	4600	4999	
Max. AC output current [A]	13.6	16.8(16 for G98)	21	21.7	
Max. AC input apparent power [VA]	3000	3680	4600	4999	
Max. AC input current [A]	13.6	16.8(16 for G98)	21	21.7	
Nominal AC voltage [V]		220/230/240	) (180 - 280)		
Nominal grid frequency/Grid frequency range [Hz]		50/	60		
Displacement power factor		0.8 leading~	0.8 lagging		
THDi (rated power) [%]		<2	2		
BATTERY DATA					
Battery type		Li-ion battery /Le	ead-acid battery		
Battery voltage range [V]		70-4	00		
Max.continuous charge/discharge current [A]		35	5		
SAFETY & PROTECTION					
Over/under voltage protection		YE	S		
DC isolation protection		YE	S		
Grid protection	YES				
DC injection monitoring	YES				
Residual current detection	YES				
Anti-islanding protection		YE	S		
SYSTEM DATA					
Max. efficiency [%]	(	96.5	97	7.0	
Battery charge/discharge effciency [%]	(	96.5	97	97.0	
Degree of protection		IP 6	65		
Operating temperature range [°C]		-25 ~ +60 (de	erating at 45)		
Max. operation altitude [m]		<20	00		
Humidity [%]		0~1	00		
Typical noise emission [dB]		<2	5		
Storage temperature [°C]		-25 ~	+60		
Dimensions(WxHxD) [mm]		430*34	1.5*143		
Net weight [kg]	15.5	15.5	16.3	16.3	
Cooling concept		Nature o	cooling		
Communication interfaces	Meter/Pocket Wi	-Fi(optional)/Pocket LAN(option	al)/Pocket GPRS(optional)/RS	485/DRM/USB/CT	
STANDARD					
Safety		IEC62	2477		
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 / EN 61000-6-4				
Certification		G98/G9	9/G100		

#### X1-AC-4.6

#### X1-AC-5.0

## X3-FIT G4

#### THREE-PHASE AC COUPLED HYBRID INVERTER

#### 6.0~15kW

## Features

#### High-efficient

- 110% overload output in on-grid situation
- Maximum 150% overload output
- Higher efficiency on charging and discharging, up to 98.5%

#### Economic

- Store the surplus energy to battery
- Less energy loss on battery to inverte

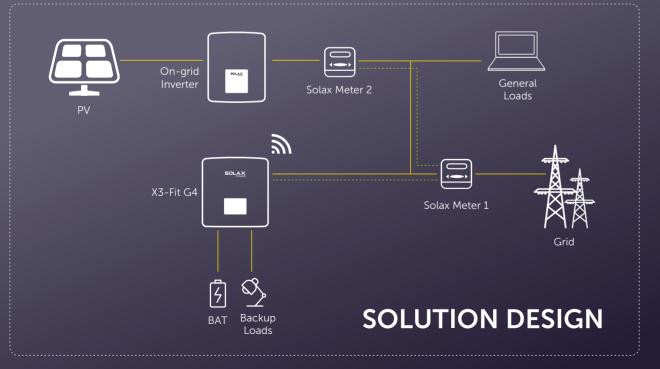
#### Safe

- IP65 protection level
- Integrated SPD



#### Intelligent

- Switchover time <10ms</li>
- Quick configuration with U-disk
- Lithium & Lead-acid battery compatible
- CT compatible, loads respond within 0.3s
- Intelligent loads management(e.g., Heat pump)
- On & Off-grid parallel function, up to 150kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market



## X3-FIT G4 THREE-PHASE

#### X3-FIT-6.0-W

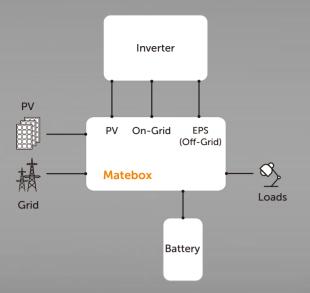
AC INPUT & OUTPUT						
Nominal AC output power [W]	6000	8000	10000	15000		
Max. AC output apparent power [VA]	6600	8800	15000			
Max. AC output current [A]	9.7	12.9 16.1		24.1		
Max. AC input apparent power [VA]	12000	16000	20000	20000		
Max. AC input current [A]	19.3	25.8	32	32		
Nominal AC voltage [V]		380 / 220; 400 /	/ 230; 415 / 240			
Nominal grid frequency [Hz]		50 /	60			
Displacement power factor		0.8 leading~	0.8 lagging			
THDi (rated power) [%]		<	3			
BATTERY DATA						
Battery type		Li-ion battery/Le	ad-Acid Battery			
Battery voltage range [V]		180~	800			
Max. continuous charge/discharge current [A]		3(	)			
EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)						
Nominal output power [W]	6000	8000	10000	15000		
Peak apparent power [VA,s]	9000,60	12000,60	15000,60	16500,60		
Max.continous current [A]	8.7	11.6	14.5	21.8		
Nominal voltage[V]; Frequency [Hz]	400 / 230; 50 / 60					
Switch time [ms]	<10					
Parallel operation	YES					
SYSTEM DATA						
Battery charge/discharge effciency [%]*1	98.5 / 97.5					
Standby consumption [W] @Night		</td <td>ō</td> <td></td>	ō			
Degree of protection		IP6	55			
Operating temperature range [°C]		-35~60 (Deratir	ng above +45)			
Max. operation altitude [m]		<30	00			
Relative humidity [%]		0~1	00			
Typical noise emission [dB]	<35	<35	<45	<45		
Storage temperature [°C]		-40~	+70			
Dimensions(W×H×D) [mm]	503×503×199					
Net weight [kg]	30					
Cooling concept	Natural cooling	Natural cooling	Nature cooling	Smart cooling		
Communication interfaces	CT/ Meter(optional)/ External	l control RS485/ Pocket WiFi(O	ptional: Pocket Lan/4G)/ DRM	1/ USB Upgrade/NTC(optio		
STANDARD						
Safety		EN / IEC6	2109-1/-2			
EMC	EN61000-6-1/2/3/4;EN61000-3-2/3/11/12					
Certification	VDE4105 / G99 / G98 / A	S4777 / EN50549 / CEI 0-21	/ IEC61727 / PEA/MEA / NR	S-097-2-1 / RD1699 / TO		

\*V2.3. Information may be subject to modify without notice.650.00019.00

X3-FIT-8.0-W

X3-FIT-10.0-W

#### X3-FIT-15.0-W



BATTERY

ON-GRID(Inverter)

GRID(Utility)

LOAD

OTHER

Max. input current [A]

ENVIRONMENT LIMIT

Rated voltage [Vac], frequency [I

Operating temperature range (°C

DIMENSION AND WEIGHT

Max. charge/discharge current [A

Rated voltage [Vac], frequency [I Max. on-grid current [A] OFF-GRID(Inverter)

## MATEBOX

#### **X3-MATEBOX BASIC**



PV

	PV	
	Max. input voltage [Vdc]	1000
	Max. short circuit current (A/B) [A]	30/18
	BATTERY	
	Battery voltage range [V]	180~650
	Max. charge/discharge current [A]	30
	ON-GRID (Inverter)	
	Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
	Max. Grid (INV) input/output current [A]	24.1/24.1
)	OFF-GRID (Inverter)	
,	Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
	Max. current [A]	24.1
	GRID (Utility)	
	Rated grid voltage [Vac], frequency [Hz]	380/400/415, 50/60
	Max. input/output current [A]	63/24.1
	LOAD	
	Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
	Max. current [A]	63
	ENVIRONMENT LIMIT	
	Degree of protection	IP54
	Protection class	Class I
	Operating temperature range [°C]	-25~+60°C (Derating above +45°C)
	Storage temperature [°C]	-40~+70°C
	Relative humidity [%]	0~100
	Altitude [m]	<3000
	Overvoltage category	III (AC), II (DC)
	OTHER	
	Cooling concept	Nature cooling
	DIMENSION AND WEIGHT	
	Dimensions [mm]	551×512×204
	Net weight [kg]	14.5

		-	
	600	-	
	18/18	-	
			_
	80-480		
		3	
z]	220/230/240, 50/60		
	32.6		
		A X1-MATEBOX	
<u>z]</u>	230, 50/60	×	_
	32.6		
		-	
	220/230/240, 50/60	-	
y [i i∠]	60	-	
		-	
		- [	
<u></u>	<u>220/230/240, 50/60</u> 60	-	
		-	
		-	
	IP54	-	
	Class I -25~+60°C (Derating above +45°C)	-	
	-40~+70°C	-	
	0~100 (condensing)	-	
	<3000	-	
		-	
	Nature cooling		
	10.5		-



SOLAX

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## **X3-MATEBOX ADVANG**



# Net weight [kg]

PV	
Max. input voltage [Vdc]	1000
Max. short circuit current (A/B)[A]	30/18
BATTERY	
Battery voltage range [V]	180~650
Max. charge/discharge current [A]	30
ON-GRID (Inverter)	
Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
Max. Grid (INV) input/output current [A]	32/32
OFF-GRID (Inverter)	
Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	24.1
GRID (Utility)	
Rated grid voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. input/output current [A]	32/32
LOAD	
Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	24.1
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range [°C]	-25~+60°C (Derating above +45°C)
Storage temperature [°C]	-40~+70°C
Relative humidity [%]	0~100
Altitude [m]	<3000
Overvoltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	533×397×204
Net weight [kg]	7.5



## **TRIPLE POWER 3.0 BATTERY**

- Systematic design, in-depth optimization and seamless connection with Solax Hybrid inverter
- Safest type of LiFePO<sub>4</sub> battery, an adoption of high-performance processors, international brand devices, better stability
- Unique battery heating technology, which is capable to work at low temperature
- Long life cycle, more than 6000 times
- Safety Cert. TUV, CE, UL, UN38.3 and so on
- Remote fault diagnosis, upgrade and maintenance
- Auto power replenishment technology is adopted to prevent battery over-discharge
- Multiple communication interfaces: RS485, CAN
- Modular stacking design, easy installation, supporting floor and wall mounting
- IP65, supporting indoor and outdoor installation

	T-BAT-SYS-HV-3.0	T-BAT-SYS-HV-6.0	T-BAT-SYS-HV-9.0	T-BAT-SYS-HV-12.			
Nominal voltage [V]	102.4	204.8	307.2	409.6			
Operating voltage range [V]	90~116	180~232	270~348	360~464			
Total energy [kWh]	3.0	6.1	9.2	12.2			
Usable energy <sup>[1]</sup> [kWh]	2.7	5.5	8.3	10.9			
Rated capacity [Ah]			30				
Nominal power [kW]	2.5	5.1	7.6	10.2			
Max. power [kW]	3.0	6.1	9.2	12.2			
Recommend charge/discharge current [A]			25				
Max. charge/discharge current [A]			30				
Battery roundtrip efficiency		g	5%				
Cycle life [90% DOD]		6000	Cycles				
Expected life time / Warranty [year]			10				
Available charge/discharge temperature range [°C]		-30 to 50					
Storage temperature [°C]	-20 to 50 (3 months)						
Relative humidity [%]		0~	-100				
Altitude [m]		Belov	v 3000				
Degree of protection		F	P65				
Battery to Inverter		RS485	/CAN2.0				
Battery to battery/BMS		CA	N2.0				
Master control capacity indicator		4LED (25%, 5	0%, 75%, 100%)				
Master control LED indicator (Working mode)		1	LED				
System switch (on/off)		Button×1	+Breaker×1				
Certificate		CE/IEC62619/UN3	8.3/IEC62040/UKCA				
Hazardous materials classification		Class 9					
Dimensions (W × H × D) [mm]	MC0600: 482.5×173.5×153 HV10230: 482.5×471.5×153						
Net weight [kg]	MC0600: 7.5kg +HV10230: 34.5kg	MC0600: 7.5kg +2×HV10230: 69kg	MC0600: 7.5kg +3×HV10230: 103.5kg	MC0600: 7.5kg +4×HV10230: 138k			

[1] Test conditions: 90% DOD, 0.2C charger & discharger @+25°C
 \* MC0600: Master Box (one MC0600 can be connected 1~4 HV10230)
 \* HV10230: Slave Battery Pack

\* Max charge/discharge current may be variant with different inverter model





## **T-BAT SYS-HV**

- Systematic design, in-depth optimization and seamless connection with Solax Hybrid inverter
- Safest type of LiFePO<sub>4</sub> battery, an adoption of high-performance processors, international brand devices, better stability
- Long life cycle, more than 6000 times
- Safety Cert. TUV, CE, UL, UN38.3 and so on
- Remote fault diagnosis, upgrade and maintenance
- Auto power replenishment technology is adopted to prevent battery over-discharge
- Multiple communication interfaces: RS485, CAN
- Parallel function for expansion, with maximum of 8 pcs
- Floor or wall mounting
- IP55, supporting indoor and outdoor installation

## T-BAT H 5.8

Nominal Voltage [V]	115.2
Operating Voltage [V]	100-131
Battery Type	Li-ion (LFP)
Total Capacity [kWh]	5.8
Usable Capacity <sup>[1]</sup> [kWh]	5.1
Faradic Charge Eciency [%]	99
Battery Roundtrip Eciency [%]	95
Standard Power [kW]	2.8
Max Power [kW]	4.0
Recommend Charge/Discharge Current [A]	25
Max Charge/Discharge Current [A]	35
Short Circuit Current[A]	760
Cycle Life	>6000 Cycles
Warranty [Year]	10
Available Operating Temperature Range [°C]	
Full-load Operating Temperature Range [°C]	
Relative Humidity [%]	
Altitude [m]	
Protection	
System to Inverter	
Battery to Battery/BMS	
Data Collection Port /FW UPDATE	
Master Control Working Mode Indicator	
Master Control Capacity Indicator	
Battery Module LED	
Reset	
Switch ON/OFF	
Safety	
UN Number	
Hazardous Materials Classification	
Transport Testing Requirement	
Dimensions (L x W x H) [mm]	474×193×708
Weight [kg]	72.2

 Test conditions: 90% DOD, 0.2C charger & discharger @+25°C
 The Triple Power battery could be scalable up to 4 modules, for a total of 23.0kWh. Indoor installation only
 system Usable Energy may be variant with dierent inverter models
 Max Charge/Discharge Current may be variant with dierent inverter models





#### T-BAT H 5.8

#### HV11550

T-BAT H 11.5	T-BAT H 17.3	T-BAT H 23
230.4	345.6	460.8
200-262	300-393	400-524
Li-ion (LFP)	Li-ion (LFP)	Li-ion (LFP)
11.5	17.3	23.0
10.4	15.5	20.7
99	99	99
95	95	95
5.7	8.6	11.5
8.0	12.0	16.1
25	25	25
35	35	35
760	760	760
>6000 Cycles	>6000 Cycles	>6000 Cycles
10	10	10
0 to	o 55	
5 to	0 48	
4 to 100 (c	condensing)	
Below	/ 2000	
IP	55	
CAI	N2.0	
RS	485	
CAI	N2.0	
1 L	.ED	
4LED (25%, 50	0%, 75% 100%)	
2 L	.ED	
But	tton	
Button×1 +	⊦ breaker×1	
	JL1973, ROHS, REACH	
	3840	
	ss 9	
	38.3	
474×193×708+474×193×647	474×193×708+(474×193×647)×2	474×193×708+(474×193×647)×3
72.2+68.5	72.2+68.5×2	72.2+68.5×3

\*V2.0. Information may be subject to change without notice. 650.00012.00

## **SMART EV CHARGER**

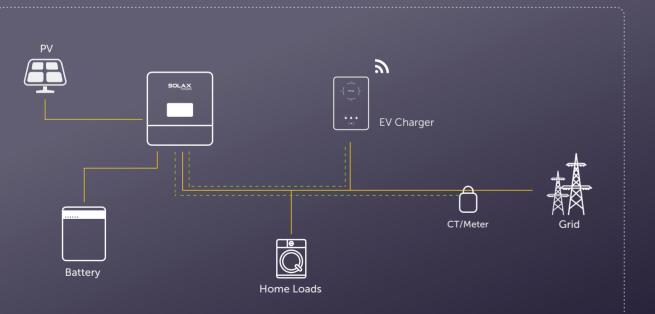
X1-EVC-7.2K X3-EVC-11K / X3-EVC-22K

## Features

- Plug or socket outlet selectable
- Built-in 30mA type A RCD and 6mA DC protection
- Integrated with PEN protection and no earth rod
- Encrypted communication based on TLS
- Indoor and outdoor easy installation
- Form an intelligent photovoltaic, storage and EV charging energy system through the communication between the smart EV charger and SolaX Power inverter.



- Capable with 100% green energy generated from your solar or wind generation.
- Integrated RFID function
- Remote setting and monitoring with APP and website
- Smart dynamic load balance control
- Set timers to reduce your cost during peak and valley price



## **SOLUTION DESIGN**

## **SMART EV CHARGER**

#### X1-EVC-7.2K

		AT LUG 7.2K	NO LVO TIK	NO LVO ZZN					
	Phases/Lines	Single phase	Three phase	Three phase					
AC NOMINAL INPUT	Voltage [V]	230; 1/N/PE	230/400; 3/N/PE	230/400; 3/N/PE					
	Frequency [Hz]	50/60; ±5	50/60; <u>+</u> 5	50/60; ±5					
	Voltage [V]	230; 1/N/PE	230/400; 3/N/PE	230/400; 3/N/PE					
AC NOMINAL OUTPUT	Current [A]	32	16	32					
	Power [kW]	7.2	11	22					
	Wireless Module		Wi-Fi 2.4GHz						
	RS485		YES						
	RFID		YES						
INTERFACE	OCPP 1.6 (JSON)	Optional							
	LCD Screen		Optional						
	CT Clamps	X1	×3	X3					
	Housing Material		Plastic/Metal						
	Installation Method	Wall-mount							
	Wall-mount Bracket		YES						
	Charging Outlet	Type P(C	Charging cable with plug)/Type S(Sock	et-outlet)					
	Cable Length [m]		6.5						
GENERAL DATA	Operating Temperature [OC]		-30 ~ 50						
	Working Humidity [%]		5%~95% without condensation						
	Working Altitude [m]		<2000						
	Degree of Protection		IP65						
	Application Site		Indoor/Outdoor						
	Cooling Concept		Natural cooling						
	Dimension(WxHxD) [mm] 249*370*155(for type S)/265*370*155(for type P)								
	Net Weigth [kg]	7(for type S)/10.5(for type P)							
		Over/Under voltage protection, Overload protection, Shortcircuit protection,							
	Multiple Protection	Current leakage protection, Grounding protection, Surge protection,							
		Overtemperature protection							
	Integral Earth Leakage								
SECURITY	Protection Integral	30mA Type A RCD (EN 61008) + 6mA DC protection (EN 62955)							
PROTECTION	Encrypted Communication	TLS							
	Safety Standard	IEC 61851-1:2017, IEC 62196-2:2016							
	Built-in PEN fault technology		YES						
	Warranty [years]	3 (5 optional)							
	Charging mode	is 6A, in which the Smart EV Charger w purchase a little electricity from the gri This work mode will spend all its effort ECO Mode: ECO mode help users to o possible. The gap will be supplied by th the users set the charging current 16A.	een mode is to charge the EV with PV energ vill never take electricity from the grid, while d but no more than 3A. In the Green mode, to help clients reduce the cost of buying ele charge their EV with a fixed power while the ne grid. The charging current can be set thus If the current from the inverter is only 10A t ter is 18A, then the Smart EV Charger will ou	there is another 3A level, capable to the minimum charging current is 6A. ectricity from the grid. energy will also from the PV as much a control the output power. For example hen the rest would be taken from the					
		ũ	stest rate and will import grid electricity if th e the minimum value of the rated power an						
ADVANCED FUNCTIONS	Smart boost	With Smart Boost function, the Smart EV Charger will spend all its effort to use the PV energy as much a possible. Users could set an "End Time" and "Charge Energy", the Smart EV Charger will automatically output the							
			and rest energy and this part of energy						
	Timer Boost		post" function, are able to set a period fast as it can no matter in which work	-					
	Dynamic load balancing		vs you to charge as fast as possible at an use your electricity wherever it's ne						

#### X3-EVC-11K

#### X3-EVC-22K

## **X3-EPS PARALLEL BOX G2**

• Simple: Convenient wiring

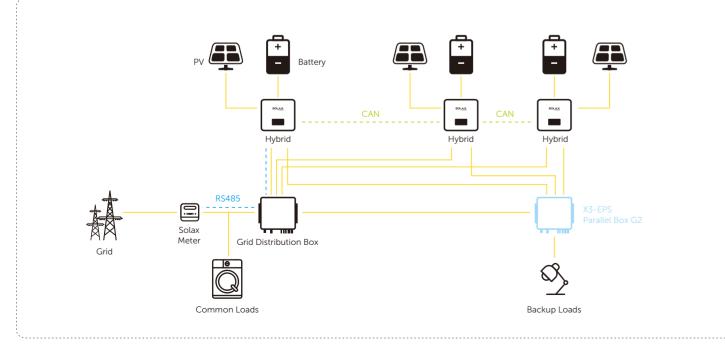
• Reliable: Provide reliable backup power in parallel

#### X3-PBOX-60kW-G2

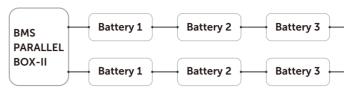
SOLAX

X3-PBOX-150kW-G2

GRID (INVERTER)						
Grid connection	Three Phase					
Rated voltage		220/380V,230/400V,240/415V				
AC frequency	50/6	50Hz				
AC output voltage range	(198~253)	/(342~40)V				
Maximum grid input current	87A	87A				
EPS (INVERTER)						
Rated voltage	230/4	400VA				
EPS frequency	50/6	50Hz				
Compatible inverter		5~10				
Maximum EPS input current per channel	21.7A	21.7A				
Maximum EPS input current	87A	217A				
LOAD (BACKUP)						
Load connection	Single Phase/Three Phase					
Rated voltage		/400V,240/415V				
AC frequency	50/6	50Hz				
Maximum apparent power	60kVA	150kVA				
Maximum output current	87A	217A				
Switchover time	<	10s				
GENERAL SPECIFICATION						
Operating temperature range	-25°C to +40°C (-13°F to +104°F)					
Relative humidity range	0~100 (condensing)					
Dimensions (W $\times$ H $\times$ D)	492 x 478 x 183 mm (19.4 x 18.8 x 7.2 inch)	776 x 740 x 234 mm (30.6 x 29.1 x 9.2 inch)				
Weight	17kg	41kg				
Degree of protection	p	65				



## **BMS-PARALLEL BOX-II**



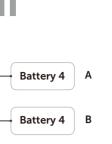
## Features

BMS-Parallel Box-II is an revolutionary product that makes the capacity expansion of storage system possible. With the box, users are able to easily expand the number of T-BAT H 5.8 to 8 from 4 with X3-Hybrid series and to 6 from 3 with X1-Hybrid series. Besides, alternate using dual-module makes the life cycle of batteries longer and prevents the inverter from stopping working caused by the errors in one series.

Operating charge/discharge temperature range [°C]				0 ~	55			
Full-load charge/discharge temperature range [°C]		5 ~ 48						
Storage temperature [°C]		-20 ~ +55 (3 months) 0 ~ 40 (1 year)						
Humidity [%]		0 ~ 100 (condensing)						
Altitude [m]				≤ 20	000			
Degree of protection				IP	55			
COMMUNICATION								·
System to inverter				CAN2.0	)/RS485			
Battery to battery/BMS				RS4	485			
Master control LED indicator working mode				3L	ED			
Master control capacity indicator			2*	*4LED (25%, 5	0%, 75%, 100	)%)		
Battery module LED				2 L	ED			
Switch on/off				Button*1+	-breaker*1			
CERTIFICATION								
Safety			IEC 62	2477-1, IEC 61	439-1, IEC 6	1439-2		
EMC				IEC 61000	-6-1/2/3/4			
Transportation regulation compliance				UN:	38.3			
GENERAL								
Dimensions (L x W x H) [mm]				368*3	10*140			
Net weight [kg]				5	.2			
Expected life [years]				Į	5			
NOMINAL CHARACTER (Battery Pack)	T-BAT S 5.8	T-BAT S 11.5	T-BAT S 17.3	T-BAT S 23.0	T-BAT P 5.8	T-BAT P 11.5	T-BAT P 17.3	T-BAT P 23.0
Nominal voltage [V]	115.2	230.4	345.6	460.8	115.2	230.4	345.6	460.8
Operating voltage [V]	100-131	200-262	300-393	400-524	100-131	200-262	300-393	400-524
Total energy [kWh]	5.8	11.5	17.3	23	11.5	23	34.6	46.1
Standard power [kW]	2.9	5.8	8.7	11.6	2.9	5.8	8.7	11.6
Max. power [kW]	4.0	8.0	12.0	16.0	4.0	8.0	12.0	16.0
Pollution degree				P	03			
Overvoltage category (OVC)				I				
Protective class								
Recommend charge/discharge current [A]	25							
Max. charge/discharge current [A]	35							
Cycle life [90% DOD]	6000 Cycles							

Note:BMS/Master Battery is no longer necessary

X1-Hybrid can be connected to 6 batteries at most. X3-Hybrid can be connected to 8 batteries at most.





## SOLAX CLOUD MONITORING

#### Pocket WiFi V3.0

#### Feature

SOLAX

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming
- Multiple antenna adaptations according to the situation

Product Name	Pocket LAN			
Model	Pocket LAN V3.0			
Power Supply	5V 180mA DC			
Ethernet	10/100M			
Data Transfer Interval	5 mins			
Dimensions	112*45.7*28.5 mm			
Weight	75g			
Degree of Protection	lp65			
Operating Temperature Range	-25°C ~ +75°C			

#### 3dBi Antenna Gain Data Transfer Interval 5 mins Dimensions 95.5\*45.7\*28.5 mm Weight 50g Degree of Protection lp65 -40°C ~ +85°C Operating Temperature Range



Pocket Wi-fi

Pocket WiFi V3.0

5V 260mA DC

Wi-Fi 2.4GHz

#### Feature

Product Name

Power Supply

Wireless Module

Model

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming

## **METER & CT**







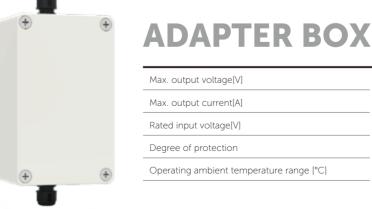
## Pocket 4G V3.0

#### Feature

SOLAX 

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming
- Multi-communication operator support

Product Name	Pocket Wi-Fi Plus
Model	Pocket 4G V3.0
Power Supply	5V 500mA DC
SIM Card Size	Nano - 4FF 12.3*8.8 mm
Support Band	LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: 850/900/1800/1900MHz
Data Transfer Interval	5 mins
Dimensions	112*45.7*28.5 mm
Weight	135g
Degree of Protection	lp65
Operating Temperature Range	-35°C ∼ +75°C





#### DTSU666

- Three-phase meter
- 80 A



#### DTSU666-CT

- Three-phase meter
- 200 A
- With CT



#### SDM630M-CT V2

- Three-phase meter
- 200 /600 /1500 A
- With CT

	277
	5
	12
	IP65
[°C]	-25~60