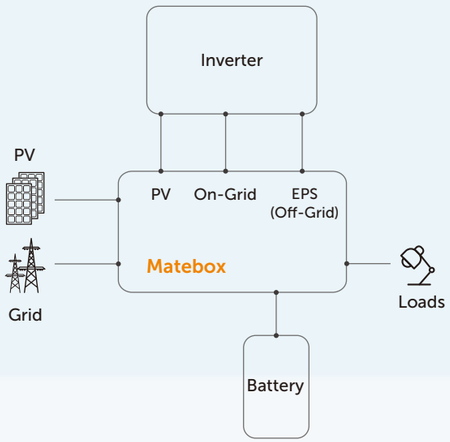
Accessories



MATEBOX

For the new X-ESS G4, we get rid of the complicated wiring work by laying all the wires in the Matebox. All you need to do is just to install one module on the top of another, and connect all the cables which are already well-sorted in the Matebox in different ports.

X1-MATEBOX

PV	
Max. input voltage	600 Vdc
Max. short circuit current (A / B)	20 / 20 A
BATTERY	
Battery voltage range	80 ~ 480 V
Max. charge / discharge current	30 A
ON-GRID (INVERTER)	
Rated voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. on-grid current	32.6 A
OFF-GRID (INVERTER)	
Rated voltage, frequency	230 Vac, 50 / 60 Hz
Rated current	32.6 A
GRID (UTILITY)	
Rated grid voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. input current	60 A
LOAD	
Rated voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. current	60 A
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range	-35 ~ 60°C
Storage temperature	-40 ~ 70°C
Relative humidity	0 ~ 100% (condensing)
Altitude	< 3000 m
Overvoltage category	III (AC), II (DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions	482 × 437 × 185 mm
Net weight	10.5 kg

**V1.1. Information may be subject to modify without notice. 650.00085.00*

X3-MATEBOX BASIC

PV	
Max. input voltage	1000 Vdc
Max. short circuit current (A / B)	30 / 20 A
BATTERY	
Battery voltage range	180 ~ 500 V
Max. charge / discharge current	30 A
ON-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. Grid (INV) input / output current	32 / 32 A
OFF-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. current	24.1 A
GRID (UTILITY)	
Rated grid voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. input / output current	32 / 32 A
LOAD	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. current	24.1 A
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range	-35 ~ 60°C
Storage temperature	-40 ~ 70°C
Relative humidity	0 ~ 100%
Altitude	< 3000 m
Overvoltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions	533 × 397 × 204 mm
Net weight	7.5 kg

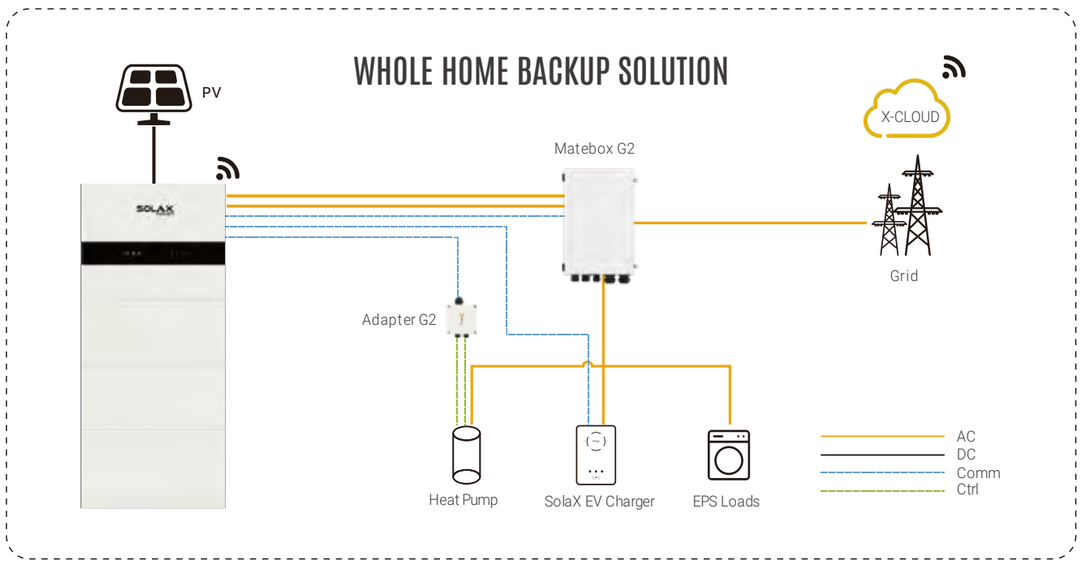
X3-MATEBOX ADVANCED

PV	
Max. input voltage	1000 Vdc
Max. short circuit current (A / B)	30 / 20 A
BATTERY	
Battery voltage range	180 ~ 500 V
Max. charge / discharge current	30 A
ON-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. Grid (INV) input/output current	24.1 / 24.1 A
OFF-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. current	24.1 A
GRID (UTILITY)	
Rated grid voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. input / output current	63 / 24.1 A
LOAD	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. current	63 A
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range	-35 ~ 60°C
Storage temperature	-40 ~ 70°C
Relative humidity	0 ~ 100%
Altitude	< 3000 m
Overvoltage category	III (AC), II (DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions	551 × 512 × 204 mm
Net weight	14.5 kg

Accessories

X1-Matebox G2

We get rid of complicated wiring work by laying all the wires in the Matebox. All you need to do is just to connect all the cables which are already well-sorted in the Matebox. This helps to save time and money.



*V1.2. Information may be subject to modify without notice. 650.00053.00

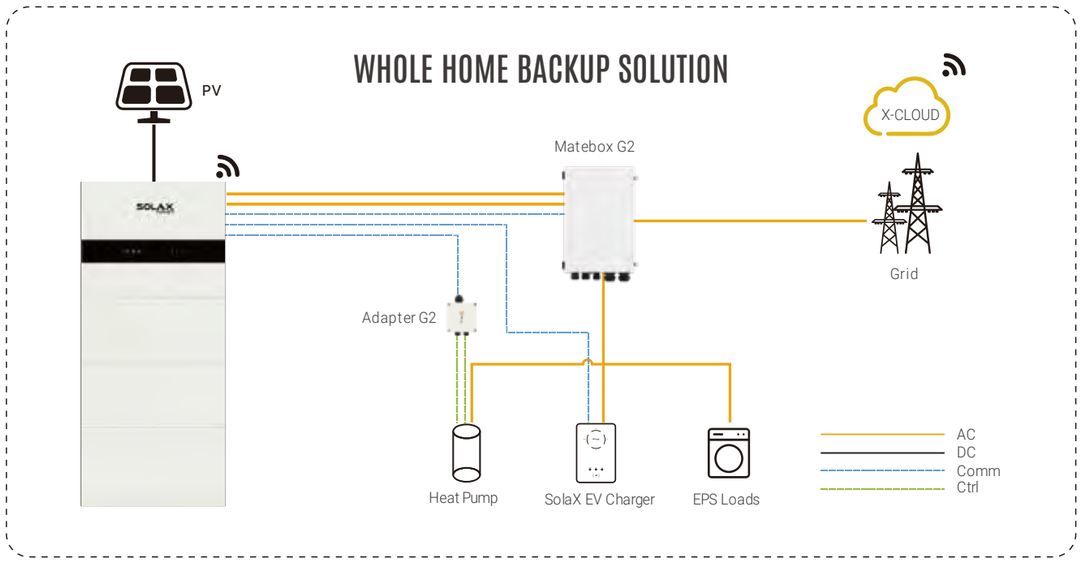
X1-Matebox G2

ON-GRID (INVERTER)	
Rated voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. apparent on-grid input / output power	8000 VA
Max. on-grid current	36.4 A
OFF-GRID (INVERTER)	
Rated voltage, frequency	230 Vac, 50 / 60 Hz
Max. power	8000 VA
Rated current	36.4 A
GRID (UTILITY)	
Rated grid voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. input current	63 A (100 A for England)
LOAD	
Rated voltage, frequency	220 / 230 / 240 Vac, 50 / 60 Hz
Max. current	63 A (100 A for England)
ENVIRONMENT LIMIT	
Degree of protection	IP65
Protection class	Class I
Operating temperature range	-25 ~ 60°C (Derating above +45°C)
Storage temperature	-40 ~ 70°C
Relative humidity	0 ~ 100% RH (condensing)
Altitude	< 3000 m
Overvoltage category	III (AC)
OTHER	
Cooling concept	Natural cooling
DIMENSION AND WEIGHT	
Dimensions	549 × 360 × 192 mm
Net weight	11 kg

Accessories

X3-Matebox G2

We get rid of complicated wiring work by laying all the wires in the Matebox. All you need to do is just to connect all the cables which are already well-sorted in the Matebox. This helps to save time and money.



V1.2. Information may be subject to modify without notice. 650.00054.00

X3-Matebox G2	
ON-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. Grid (INV) apparent power	16500 VA
Max. Grid (INV) current	32 A
OFF-GRID (INVERTER)	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Nominal Off-grid (INV) apparent power	15000 VA
Max. current	25 A
Peak apparent power	30000 VA
GRID (UTILITY)	
Rated grid voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. input current	63 A
LOAD	
Rated voltage, frequency	380 / 400 / 415 Vac, 50 / 60 Hz
Max. current	63 A
ENVIRONMENT LIMIT	
Degree of protection	IP65
Protection class	Class I
Operating temperature range	-25 ~ 60°C (Derating above 45°C)
Storage temperature	-40 ~ 70°C
Relative humidity	0 ~ 100%
Altitude	< 3000 m
Overvoltage category	III (AC)
OTHER	
Cooling concept	Natural cooling
DIMENSION AND WEIGHT	
Dimensions	549 × 360 × 192 mm
Net weight	13.5 kg

Accessories

X3-EPS Parallel Box G2

60kW

150kW

300kW

Flexible Integration

- Convenient wiring

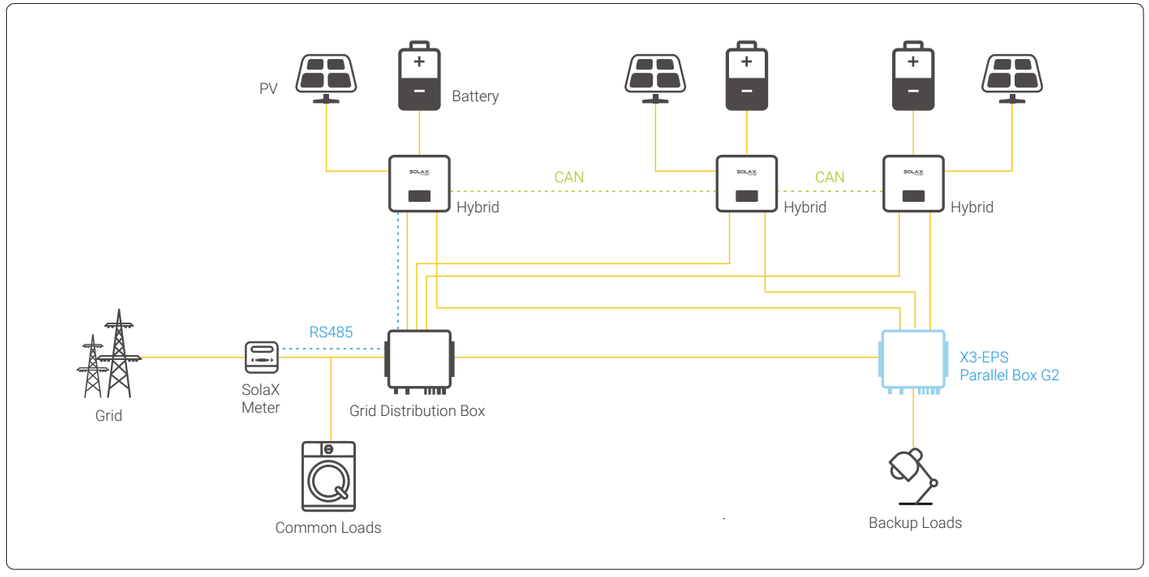
Reliable Performance

- Provide reliable backup power in parallel

**V2.4. Information may be subject to modify without notice. 650.00015.00*

	X3-PBOX-60KW-G2	X3-PBOX-150KW-G2①	X3-PBOX-300KW-G2
GRID (INVERTER)			
Grid connection	Three Phase		
Ratedvoltage	220 / 380 V, 230 / 400 V, 240 / 415 V		
AC frequency	50 Hz / 60 Hz		
AC output voltage range	(198 ～ 253 V) / (342 ～ 440 V)		
Maximum grid input current	87 A	217 A	478 A
EPS (INVERTER)			
Rated voltage	230 VA / 400 VA		
EPS frequency	50 Hz / 60 Hz		
Maximum No. of parallel inverters②	6	10	10
Maximum EPS input current per channel	21.7 A	43.5 A	95.6 A
Maximum EPS input current	87 A	217 A	478 A
LOAD (BACKUP)			
Load connection	Single Phase / Three Phase		
Rated voltage	220 / 380 V, 230 / 400 V, 240 / 415 V		
AC frequency	50 Hz / 60 Hz		
Maximum apparent power	60 kVA	150 kVA	300 kVA
Maximum output current	87 A	217 A	478 A
Switchover time	< 10 s		
GENERAL SPECIFICATION			
Operating temperature range	-25 ~ 40°C (-13 ~ 104°F)		
Relative humidity range	0 ~ 100% RH (condensing)		
Altitude	< 3000 m		
Dimensions (W × H × D)	492 × 478 × 183 mm	776 × 740 × 234 mm	880 × 1080 × 270 mm
Weight	17 kg	42.5 kg	100 kg
Degree of protection	IP65		

① This model comes in two versions: G2 and G2.1. The G2 version supports only X3-G4 and does not support X3-ULTRA, whereas the G2.1 version is compatible with both X3-G4 and X3-ULTRA
② This is related to the maximum power of X3-EPS Parallel Box and the maximum output power of the inverter. Taking X3-PBOX-300kW-G2 as an example, if the maximum output power of the connected inverter is 50kW, the maximum number of parallel machines is 6. If the maximum output power of the connected inverter is 30kW, the maximum number of parallel machines is 10



Accessories

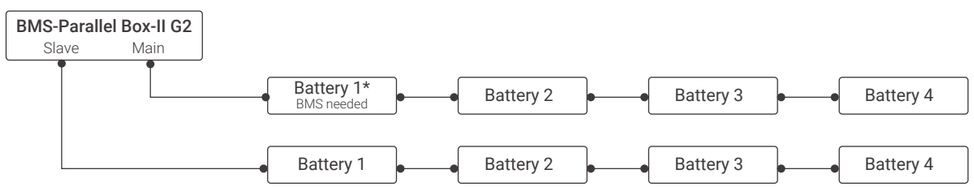
BMS-Parallel Box-II G2

Reliable Performance

- Easily expand Capacity
- Extend battery lifespan

Flexible Adaptability

- Support two-column parallel connection
- Support T-BAT-SYS-HV-3.0, T-BAT-SYS-HV-5.8



Notes:
1. Battery 1 & 2 & 3 & 4 may refer to HV11550 or HV10230.
2. Battery 1 & 2 & 3 & 4 models are required to be the same
3. As for Battery 1*, a BMS is necessory, that is, T-BAT H 5.8 for T58, MC0600 + HV10230 for T30

BMS-PARALLEL BOX-II G2

ENVIRONMENT REQUIREMENT	
Input / Output voltage range	70 ~ 550 V
Standard power	11.5 kW
Maximum power	16.1 kW
Operating charge / discharge temperature range①	T-BAT-H 3.0: -30 ~ 55°C (with heating function) -10 ~ 55°C (no heating function) T-BAT H 5.8: 0 ~ 55 °C (no heating function)
Storage temperature②	-30 ~ 80°C
Relative humidity	5 ~ 95% (non-condensing)
Altitude	3000 m
Protection	IP65
COMMUNICATION	
System to inverter	CAN + RS485
Battery to battery / BMS	T30: CAN / T58: RS485
Master control LED indicator working mode	1 LED
Master control capacity indicator	2 x 4 LED (25%, 50%, 75%, 100%)
Battery module LED	2 LED
Switch on / off	Button x 1 + breaker x 1
CERTIFICATION	
Safety	IEC / EN 62477-1, IEC / EN 61439-1, IEC / EN 61439-2
EMC	EN 61000-6-1 / 2 / 3 /4
GENERAL	
Dimensions (W x H x D)	368 x 334 x 153.5 mm
Weight	8.7 kg
Expected life	5 years

NOMINAL CHARACTER (BATTERY SYSTEM)				
Overvoltage category (OVC)	II			
Protective class	I			
Recommend charge / discharge current	25 A			
Max. charge / discharge current	35 A			
SYSTEM ONE (T58 PACK)				
	TP 5.8 G2	**TP 5.8 G2**	**TP 5.8 G2**	**TP 5.8 G2**
Nominal voltage	115.2 V	230.4 V	345.6 V	460.8 V
Operating voltage	100 ~ 131 V	200 ~ 262 V	300 ~ 393 V	400 ~ 524 V
Total capacity	11.5 kWh	23 kWh	34.6 kWh	46.1 kWh
Usable capacity③	10.3 kWh	20.7 kWh	31.1 kWh	41.4 kWh
Nominal power	2.8 kW	5.7 kW	8.6 kW	11.5 kW
Max. power④	4.0 kW	8.0 kW	12.0 kW	16.1 kW
SYSTEM TWO (T30 PACK)				
	TP 3.0 G2	**TP 6.0 G2**	**TP 9.0 G2**	**TP 12.0 G2**
Nominal voltage	102.4 V	204.8 V	307.2 V	409.6 V
Operating voltage	90 ~ 116 V	180 ~ 232 V	270 ~ 348 V	360 ~ 464 V
Total capacity	6.1 kWh	12.3 kWh	18.4 kWh	24.6 kWh
Usable capacity③	5.5 kWh	11.0 kWh	16.5 kWh	22.1 kWh
Nominal power	2.5 kW	5.1 kW	7.6 kW	10.2 kW
Max. power④	3.0 kW	6.1 kW	9.2 kW	12.2 kW

① BMS parallel box G2 with different batteries has different system operating temperature
② This is the storage temperature of BMS parallel box G2, please refer to the battery storage problem for each battery
③ 90% DOD; System usable energy may vary with inverter different setting
④ Test conditions: 100% DOD, 0.2C charge & discharge @+25°C

Accessories

TCBox-70

Reliable Performance

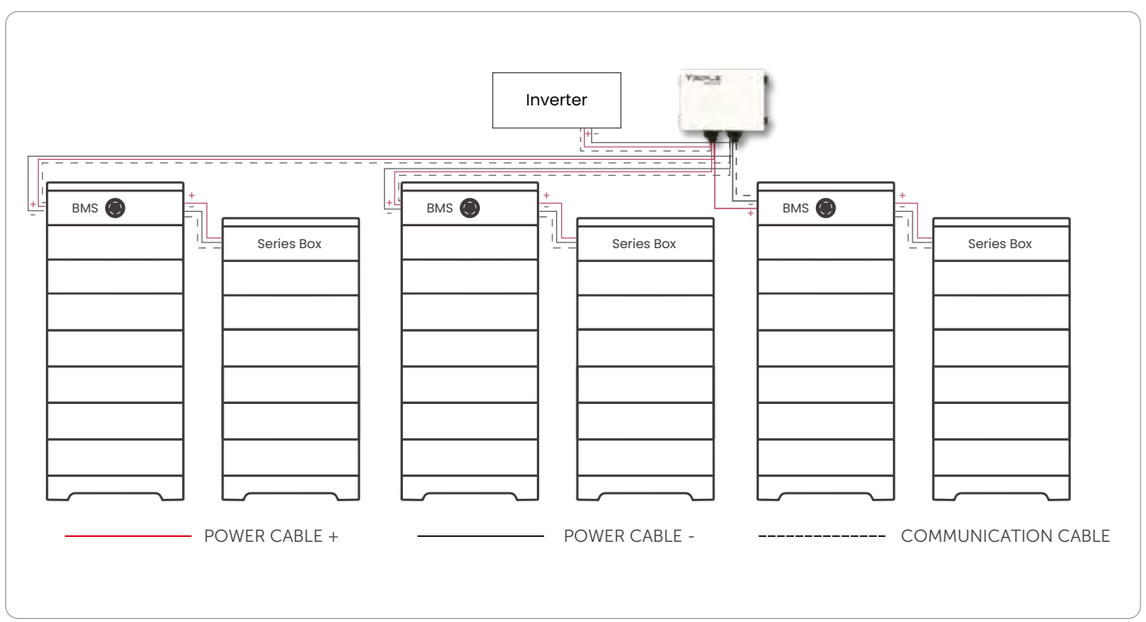
- Easy capacity expansion and extend battery lifespan
- Scalable, modular design

Flexible Adaptability

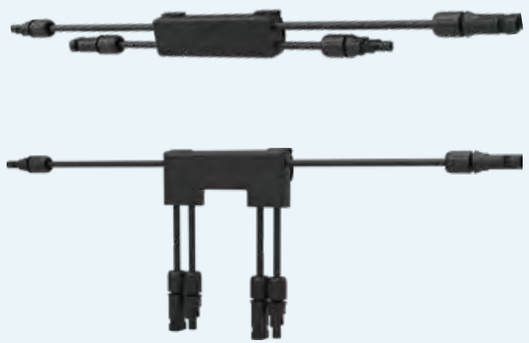
- Support three-column parallel connection
- Support T-BAT-SYS-HV-S2.5, T-BAT-SYS-HV-S3.6, T-BAT-SYS-HVS50E-D, TSYS-HS51*

** Compatibility with TSYS-HS51 will be upgraded in the future*

TCBOX-70	
Max. operation current	70 A
Input & output voltage	90 ~ 750 V
Communication interface	RJ45 × 4
Max. parallel tower	3
Available charge / discharge temperature range	-30 ~ 60 °C
Storage temperature	-40 ~ 80 °C
Relative humidity	0 ~ 95 %
Dimension (W x H x D)	325 × 231 × 126 mm
Weight	2.1 kg
Installation type	Wall mounted
Protection class	IP65
Cooling type	Natural
Altitude	< 3000 m



Rapid Shutdown Device



XRSD-1C

XRSD-2C

Prioritizing safety and rapid shutdown capabilities, the XRSD series offers a sophisticated module-level solution that guarantees the smooth functioning of both new and existing PV systems. Once activated by the SolaX Transmitter—XRSD-Core Kit, the XRSD modules ensure your connected PV system remains operational.

In case of emergencies, you have multiple shutdown options: either remotely control each individual panel through the SolaX cloud, toggle the AC breaker on the Transmitter, or engage the E-STOP button. This versatility makes the XRSD system a reliable safety measure for quick deactivation of your PV system as needed.

Note: To achieve rapid shutdown, please use with the TRANSMITTER KIT (Model: XRSD-CORE KIT).

High Efficiency

- Max. 20A PV input current
- Lower power consumption & wider operating voltage

Assured Safety

- Module-level rapid shutdown
- IP68 with unrivaled reliability

Intelligent Design

- Faster installation with plug-and-play cables and connectors
- Ultra-low signal noise, enhancing system stability

Flexible Adaptability

- Compatible with all SolaX inverters and other major inverter brands*
- Compatible with mainstream PV panels

**Compatibility testing required*

**V1.3.1 Information may be subject to modify without notice.650.00050.00*
**V1.4.1 Information may be subject to modify without notice.650.00051.00*

	XRSD-1C	XRSD-2C
ELECTRICAL DATA		
Input voltage range	8 ~ 80 V	
Output voltage range	8 ~ 80 V	16 ~ 160 V
Max. PV input current	20 A	
Max. short circuit current	26 A	
Recommended fuse rating	30 A	
Maximum system voltage	1500 V	
MECHANICAL		
Dimensions (without cables and connectors)	130 × 36 × 21 mm	135 × 59 × 20 mm
Weight	400 g	720 g
Input connectors	MC4 (Standard)	MC4 (Standard)
Input cable length	0.2 m	0.45 m
Output connectors	MC4 (Standard)	MC4 (Standard)
Output cable length	1.2 m	2.4 m
Communication type	PLC	
ENVIRONMENT LIMIT		
Protection class	IP68 / NEMA6P	
Operating temperature range	-40 ~ 85°C	
COMPLIANCE		
Safety	EN 62109-1:2010	
EMC	EN IEC 61000-6-1 / 2 / 3 / 4; EN IEC 61000-3-2 / 3 / 11 / 12; EN 55011	

Rapid Shutdown Device

XRSD-CORE KIT

The Solax XRSD-Core Kit, in tandem with Rapid Shutdown Devices, forms a crucial segment of the Solax rapid shutdown system. Here's how it functions:

- Once activated, it continuously sends a keep-alive signal to the XRSD, ensuring a stable connection between the PV modules and the string inverter.
- In the event of a power down in the XRSD-Core Kit, the XRSD swiftly transitions to a quick shutdown mode, temporarily suspending energy generation.
- Upon restoring power to the XRSD-Core Kit, energy production resumes seamlessly and without delay.

Note: To achieve rapid shutdown, please use with the Rapid Shutdown Device. (You can choose from models of XRSD-1C or XRSD-2C)

IP65 protection degree

Supports up to 2 cores per transmitter

Seamlessly compatible with SolaX XRSD receivers for module-level rapid shutdown

XRSD-CORE KIT	
ELECTRICAL DATA	
Power supply input voltage	85 ~ 264 VAC
Transmitter input voltage	12 (±2%) V
Transmitter input current	1 A
CORE	
Max. number of configure core	2
Max. current per core	150 A
Max. string voltage	1500 V
Diameter	~31 mm (inner) / 65 mm (outer)
Max. number of strings per core*	10 (This data refers to a cable diameter of Φ 6 mm)
MECHANICAL	
Dimensions	200 × 300 × 170 mm
ENVIRONMENT LIMIT	
Protection class	IP65 / NEMA4
Operating temperature range	-40 ~ 75℃
COMPLIANCE	
Safety	EN 62109-1:2010
EMC	EN IEC 61000-6- 1 / 2 / 3 / 4; EN IEC 61000-3-2 / 3 / 11 / 12; EN 55011

* Note: According to the cable diameter Φ 6 mm, if cable diameter is more than Φ 6 mm, Strings Per Core will be reduced. Extra precaution must be taken to avoid exceeding the permissible current limit.

Accessories

ADAPTER BOX G2

High Efficiency

- Maximizing surplus green energy utilization
- Supports multiple types of loads

Assured Safety

- Inverter disconnection protection
- TLS communication protection

Intelligent Design

- Wi-Fi network connection
- Smart APP control

Flexible Adaptability

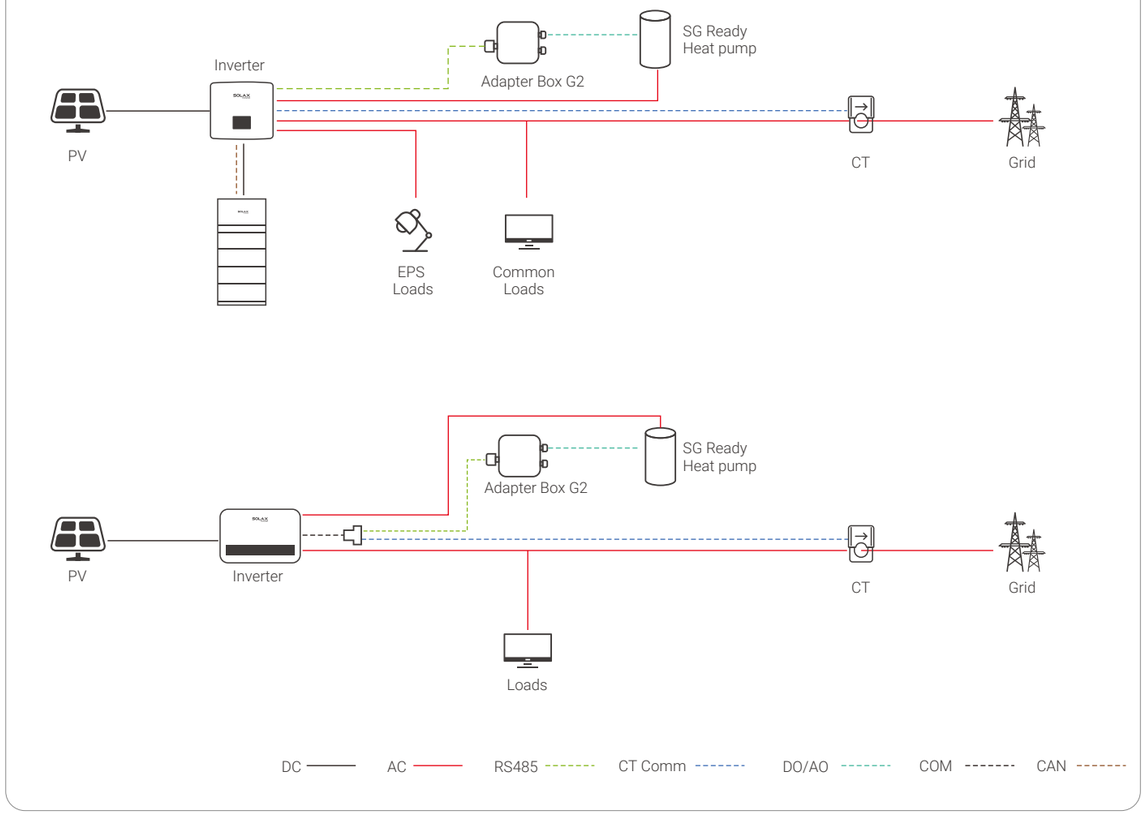
- Customizable schedule control
- Supports multiple types of signals

**V1.2. Information may be subject to modify without notice. 650.00037.00*

Adapter Box G2

ELECTRICAL PARAMETER	
Power adapter	100 ~ 240 V 50 / 60HZ AC power adapter (Optional), 12V 2A, DC input
Power consumption	2.5 W
Digital output	*4, 2 A 30 Vdc
Analog output	*1, 0 ~ 10 Vdc
COMMUNICATION	
Inverter communication	RS485
Wireless module	WiFi 2.4 GHz
Eirp power	17.46 dBm
Demand control interface	Yes
GENERAL PARAMETERS	
Dimensions (L × W × H)	125 × 125 × 75 mm
Weight	0.4 kg
Operating temperature range	-30 ~ 60 °C
Degree of protection	IP65
Installation method	Wall mounting
STANDARD	
Certification	RED / FCC / RCM / RoHS

Solutions



Accessories

M1-40

M3-40

M3-40-Dual

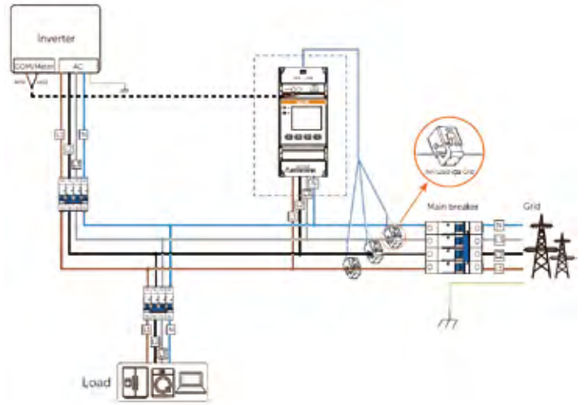
- Plug-and-play CT solution for easy installation
- Supports remote settings via SolaX Cloud APP
- 50ms high refresh rate for more precise and faster control
- Separates strong and weak currents for enhanced security
- Intelligent phase sequence and CT direction adjustment, automatically resolving installation issues
- Capable of monitoring power from both the grid and third-party inverters simultaneously*

** supported only by the two-curcuit model: M3-40-Dual*

**V1.2. Information may be subject to modify without notice. 650.00079.00*

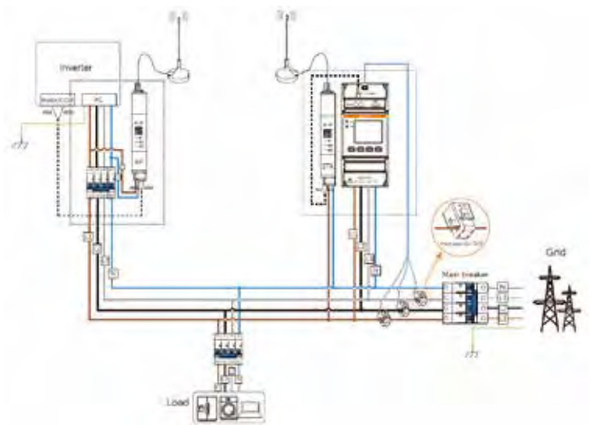
	M1-40	M3-40	M3-40-Dual
Power grid type	1P2W	3P3W / 3P4W	
Rated voltage	220 V ~ 240 V	3 × 220 / 380 V ~ 3 × 240 / 415 V	3 × 57.7 / 100 V ~ 3 × 240 / 415 V
Operating voltage	100 V~288 V	100 V ~ 280 V	50 V ~ 480 V
Current	*A / 40 mA		
Recommended CT specification	100 A / 40 mA, 200 A / 40 mA, 400 A / 40 mA, 600 A / 40 mA, 1000 A / 40 mA, 1500A / 40mA, 2000A / 40mA		
Power consumption	< 1.2 W	< 1.5 W	< 1.2 W
Measurement accuracy class	Voltage and current: Class 0.5 Active power: Class 1 Reactive power: Class 2		
Resolution requirement	Active power: 0.1 W Frequency: 0.001 Hz		
Frequency	45 Hz ~ 65 Hz		
Frequency tolerance	0.01 Hz		
Operating temperature	-40°C~70°C		
Operating humidity	≤95% RH (non-condensing)		
Operating altitude	< 4000 m		
Degree of protection	IP20		
Dimensions (W × H × D)	18 mm × 100 mm × 65.5 mm	45 mm × 100 mm × 65.5 mm	72 mm × 100 mm × 65.5 mm

Solutions



M3-40
Networking through RS485 cable

- L1 wire
- L2 wire
- L3 wire
- N wire
- PE wire
- I* wire
- I wire
- RS485A wire
- RS485B wire



M3-40
Wireless data transmission through Wi-BR

- L1 wire
- L2 wire
- L3 wire
- N wire
- PE wire
- I* wire
- I wire
- RS485A wire
- RS485B wire

Accessories

Wireless Bridge

Wi-BR

Wide Coverage

- Efficient and stable data transmission up to 200m

Strong Penetration

- Penetration ability up to 4 floors (about 30 meters vertically)

Intelligent Design

- DIN-rail installation for 85-277V AC power supply

Flexible Adaptability

- Compatible with single & three-phase meters

** Wireless communication may be affected by obstacles in complex environments, reducing transmission distance. Lab data shows that it can reach up to 200 meters horizontally in open spaces. However, with walls blocking the signal, installation distance should be reduced, supporting up to 4 layers of partition walls (about 30 meters vertically)*

	Wi-BR
Working method	AP / STA
Procotol	IEEE 802.11ah
Communication terminal	RS485 * 1 (for each model)
Phase voltage	85 ~ 277 Vac
Max. power consumption	2 W
Operating temperature	-25 ~ 55°C
Dimensions	18 × 98 × 66 mm
Mounting type	DIN rail
Ingress protection rating	IP20
Altitude	≤ 2000 m

Comparison of the performance of four methods across different communication aspects

The following data is obtained through actual testing using inverter equipped with electricity meter in Solax laboratory.

The actual on-site transmission distance may vary depending on the installation environment.

Secuirty	SolaX	Wi-Fi	LORA	Zigbee
Performance	Best	Best	Poor	Good

Anti-interfernce	SolaX	Wi-Fi	LORA	Zigbee
Performance	Best	Best	Poor	Good

Transmission capability	SolaX	Wi-Fi4/5/6	LORA	Zigbee
Transmission distance	200m	100m	130m	20m

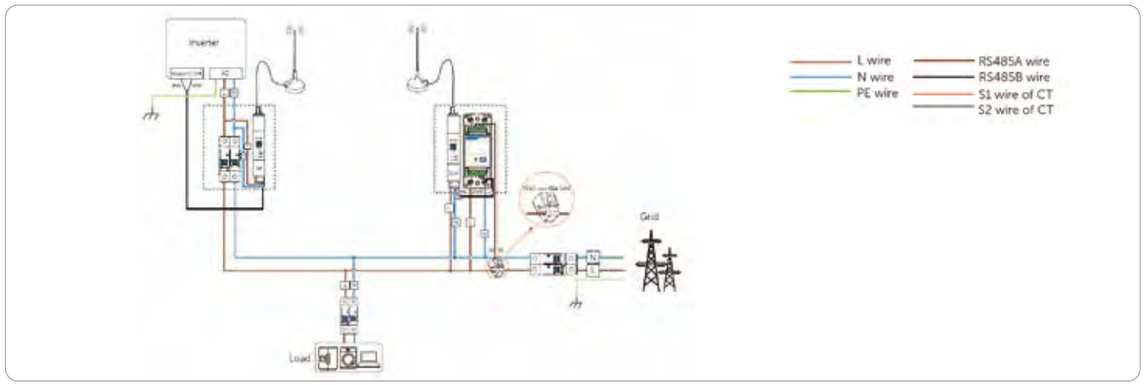
*The test data was obtained in an open area without any barriers.

Signal penetration①	SolaX	Wi-Fi	LORA	Zigbee
Number of floor②	4	1	3	1

*The results were obtained under test conditions of penetrating 120 cm thick reinforced concrete, with a floor-to-floor spacing of 4.5 meters.

① The wall-penetration test is an independent scenario, and its data does not affect or interact with the open-space scenario data
② The complete functions of the inverter can work properly through control across this number of floors

Installation



*The product images are for illustration only and may have slight differences from the actual product

Accessories

X1 EPS BOX
X3 EPS BOX

EPS Box integrates two contactors which provide power steering for users. It is compatible with single-phase and three-phase inverters. Together with inverter, EPS Box can achieve intelligent switch between on-grid connection and off-grid connection. It can simplify the operation and improve security.

- Supports whole-home backup
- Simplifies wiring with integrated dual contactors

	X1 EPS BOX	X3 EPS BOX
GRID		
Max.AC input current	63 A	3 × 63 A
Rated AC voltage	230 V	3 / N / PE, 400 / 230 V
Rated AC frequency	50 / 60 Hz	50 / 60 Hz
EPS		
Max.EPS input current	32 A	3 × 63 A
Rated EPS voltage	230 V	3 / N / PE, 400 / 230 V
Rated EPS frequency	50 / 60 Hz	50 / 60 Hz
LOAD		
Rated output current, on grid mode	63 A	3 × 63 A*
Rated output current, EPS mode	32 A	3 × 63 A*
Rated grid voltage	230 V	3 / N / PE, 400 / 230 V
Rated grid frequency	50 / 60 Hz	50 / 60 Hz
GENERAL DATA		
Operating temperature	-20 ~ 60°C	-20 ~ 60°C
Switch time	0.5 s	0.5 s
Dimension	300 × 220 × 170 mm	300 × 220 × 170 mm
Weight	3.5 kg	4.85 kg
Degree of protection	IP65	IP65

* : The output current will be reduced when the operating temperature exceeds 40°C. At 50°C, the output current drops to 95% . At 60°C, it drops to 80%.

Accessories

ECC
(Energy Control Center)

Communication & Maintenance

- Wi-Fi, 4G and Ethernet
- Support RS485 & Ethernet for peripherals
- Remote operation and maintenance

Monitor & Control

- Internal relay available to control external devices
- Load consumption monitoring
- Support local firmware update
- Export control, Ripple control, DRM control

*V1.1 Information may be subject to modify without notice. 650.00065.00

ECC (Energy Control Center)

	COMMUNICATION TO SOLAX CLOUD
Ethernet	RJ45 × 1, 10/100Mbps
Wireless	Wi-Fi: 802.11b/g/n / 4G: CAT-M1*
SIM card size	Nano - 4FF 12.3 × 8.8 mm
Sample rate	Per 5 minutes
	COMMUNICATION TO PERIPHERALS
RS485	COM × 1, 115200bps, COM × 3, 19200bps, Modbus-RTU
DRM (for AU/NZ only)	DRM 0 / 1 / 5 / 6 / 7 / 8
Analog input	For external sensor device connection
Digital input	For external control device connection
Digital output	Control external AC contact or relay
USB interface	5 Vdc - 0.5 A Output × 1
	POWER DATA
DC power supply type	External adapter
Adapter input Voltage / frequency	100 - 240 V 50 / 60 HZ
Adapter output voltage / current	11.4 - 12.6 V / 2 A
Power consumption	10 W
	MECHANICAL DATA
Dimensions (W × H × D)	210 × 113 × 26 mm (without antennas)
Weight	0.3 kg
Operating ambient temperature range	-20 ~ 60°C (-40 ~140°F)
Installation method	Wall mounting / Desktop mounting
Cooling	Natural Convection
Environmental rating	Indoor - IP20
	INTERACTION
LED Indicator × 4 – RUN, SERVE1, SERVE2, ALM	LED Indicator × 4 – RUN, SERVE1, SERVE2, ALM
SolaX Cloud	SolaX Cloud
	COMPATIBILITY
Microinverter	A1- Micro Series, X1- Micro Series
	COMPLIANCE
Compliance	CE, FCC

Note: This is optional in Europe

Accessories

ECC-PLC

Communication & Maintenance

- Bidirectional communication for remote upgrades
- Built-in industrial-grade PLC module
- Remote operation and maintenance

Monitor & Control

- Real-time load control and PV production monitoring
- Web-based monitoring and control

*V1.1 Information may be subject to modify without notice. 650.00075.00

ECC-PLC

	COMMUNICATION TO MICROINVERTER
Communication signal	PLC
Maximum communicating inverters*	40
	COMMUNICATION TO ECC
RS485	COM × 1, 115200bps, Modbus-RTU
	POWER DATA
AC power supply	100-240 VAC, 50-60 Hz Single Phase (Three Phase Optional)
ECC-PLC breaker	2-Pole And Maximum 20 A Overcurrent Protection Required
Power consumption	5 W
	MECHANICAL DATA
Dimensions(W × H × D)	218 × 122 × 50 mm
Weight	0.5 kg
Operating ambient temperature range	-40 ~ +60°C (-40 ~ 140°F)
Installation method	Wall mounting / Rail mounting
Cooling	Natural Convection
Environmental rating	Indoor - IP20
	INTERACTION
LED indicators	LED Indicator × 1 – RUN
	OTHER FEATURES
CT sensor	Production and consumption metering
Meter accuracy	Integrated PV production metering (+/- 1.0% via CT) and consumption monitoring (+/- 1.0% via CT)
	COMPABILITY
Microinverter	A1-Micro Series
	COMPLIANCE
Compliance	CSA C22,2 N0.61010-1-12.UL61010-1. CSA-C22.2 No.61010-2-030:18,UL61010-2-030 FCC SDOC

*Number of inverters supporting PLC communication

Remote Monitoring Around The Clock

SolaX Cloud Monitoring

Feature

- Smart Schedule & Smart Scene AI-driven smart energy management
- Local & Remote monitoring, setting, and upgrade of batch inverters
- Intelligent export control, DRM control, and ripple control, etc., of batch inverters
- Support large-capacity data storage

DataHub1000

DataHub	
Model	DataHub1000
Power adapter	100-240V 50/60HZ 1.5A AC input 12V 2A DC output
Wireless module	Wi-Fi 2.4GHz
Ethernet	10/100M
Manage device quantity	60
Interface	RS485 x 4, CAN x 1, Ethernet x1
Dry contactor	AI x 2, DI x 4, DO x 4
Data transfer interval	5 mins
Expanded storage capacity	8G/16G TF card（Optional）
Dimensions	205 x 124 x 33 mm
Weight	410 g
Degree of protection	IP21
Operating temperature range	-20 ~ +60°C

*V1.3. Information may be subject to modify without notice. 650.00016.00

Pocket WiFi V3.0-P

Feature

- Quick installation with "Plug & Play" function
- IP65 dust prevention and waterproof design
- Stable data transmission and good reliability
- Offline data storage and resume
- Multiple antenna adaptations according to the situation
- 10-second live data monitoring
- Modbus TCP support
- IEEE2030.5 support*
- OpenADR support*

Pocket WiFi	
Model	Pocket WiFi V3.0-P
Power supply	5V 260mA DC
Wireless module	WiFi 2.4 GHz
Antenna gain	3 dBi
Data transfer interval	5 mins / 10s optional
Dimensions	112 x 45.7 x 28.5 mm
Weight	107 ± 10 g
Degree of protection	IP65
Operating temperature range	-35 ~ +60°C

Pocket WiFi+LAN

Feature

- Quick installation with "Plug & Play" function
- IP65 dust prevention and waterproof design
- Stable data transmission and good reliability
- Offline data storage and resume
- 10-second live data monitoring
- Modbus TCP support
- IEEE2030.5 support*
- OpenADR support*
- Supports automatic switching between WiFi and LAN in different scenarios

Pocket LAN	
Model	Pocket WiFi+LAN
Power supply	5V 200mA DC
Wireless module	WiFi 2.4 GHz
Ethernet	10/100 M
Antenna gain	3 dBi
Data transfer interval	5 mins / 10s optional
Dimensions	112 x 45.7 x 28.5 mm
Weight	80 ± 10 g
Degree of protection	IP65
Operating temperature range	-35 ~ +60°C

Pocket WiFi+4GM

Feature

- Quick installation with "Plug & Play" function
- IP65 dust prevention and waterproof design
- Stable data transmission and good reliability
- Offline data storage and resume
- 10-second live data monitoring
- Modbus TCP support
- IEEE2030.5 support*

Pocket 4G	
Model	Pocket WiFi+4GM
Power supply	5V 200mA DC
Wireless module	WiFi 2.4 GHz
Antenna gain	3 dBi
Sim card size	Nano - 4FF 12.3 x 8.8 mm
Support band	LTE-FDD: Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/ B20/B25/B26/B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/ B20/B25/B28/B66/B71/B85
Data transfer interval	5 mins / 10s optional
Dimensions	112 x 45.7 x 28.5 mm
Weight	124 ± 10 g
Degree of protection	IP65
Operating temperature range	-35 ~ +60°C

*Requires inverter and SolaX Cloud platform support for full functionality