

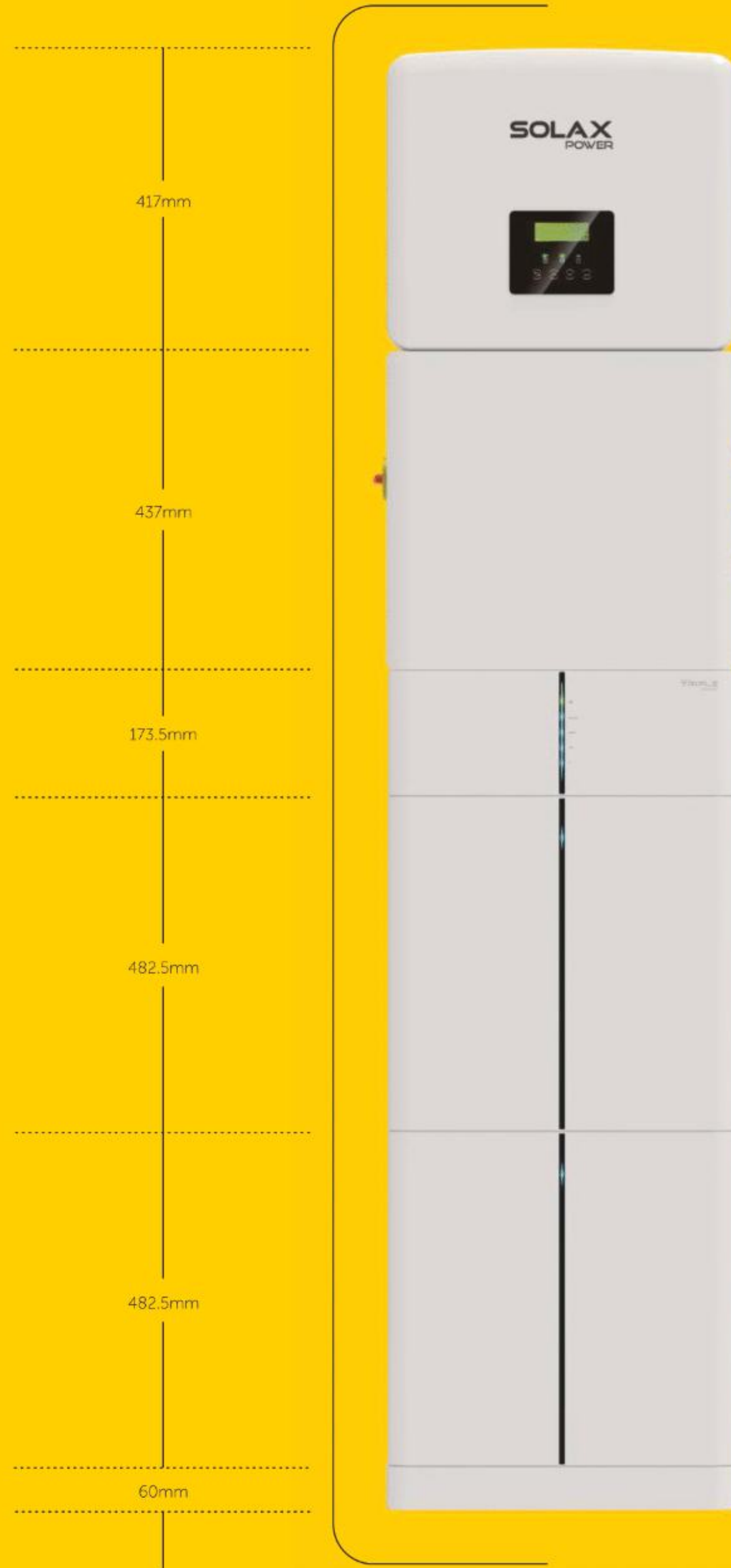
TRIPLE POWER 3.0 BATTERY

- Systematic design, in-depth optimization and seamless connection with Solax Hybrid inverter
- Unique battery heating technology, which is capable to work at low temperature®
- Safe type of LiFePO4 battery, an adoption of high-performance processors
- Modular stacking design, easy installation, supporting floor mounting
- Auto power replenishment technology is adopted to prevent battery over-discharge
- IP65, supporting indoor and outdoor installation
- Remote fault diagnosis, upgrade and maintenance
- Multiple communication interfaces: RS485, CAN
- International brand devices, better stability
- Long life cycle, more than 6000 times
- Safety Cert. TUV, CE, UN38.3 and so on



	T-BAT H 3.0 V2	T-BAT H 6.0 V2	T-BAT H 9.0 V2	T-BAT H 12.0 V2
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]	3.1	6.1	9.2	12.3
Usable energy ^① [kWh]	2.8	5.5	8.3	11.0
Rated capacity [Ah]			30	
Nominal power [kW]	2.5	5.1	7.6	10.2
Max. power [kW]	3.1	6.1	9.2	12.3
Recommend charge/discharge current [A]			25	
Max. charge/discharge current [A] ^②			30	
Battery roundtrip efficiency			95%	
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]			Below 3000	
Degree of protection			IP65	
Battery to inverter			RS485 / CAN2.0	
Battery to battery /BMS			CAN2.0	
Master control capacity indicator			4 LED (25%, 50%, 75%, 100%)	
Master control LED indicator (Working mode)			1 LED	
System switch (on/off)			Buttonx1+Breakerx1	
Certificate			CE, IEC62619, UN38.3, IEC62040, UKCA	
Hazardous materials classification			Class 9	
Dimensions (W×H×D) [mm]		MC0600: 482.5x173.5x153 HV10230: 482.5x471.5x153		
Net weight [kg]	MC0600: 7.5 kg +HV10230: 34.5 kg	MC0600: 7.5 kg +2xHV10230: 69 kg	MC0600: 7.5 kg +3xHV10230: 103.5 kg	MC0600: 7.5 kg +4xHV10230: 136 kg

①Test conditions: 90% DOD, 0.2C charger & discharger @+25 °C
②Max. charge / discharge current may be variant with different inverter models



The 4th Generation Energy Storage System from Solax

X-ESS G4

SMARTER DESIGN
SMARTER ENERGY



X-ESS G4



SUPPORT 200% OVERSIZED PV POWER
STORE EXCESS ENERGY TO BATTERY

SolaX's new X-ESS G4 can help you 100% usage of your daily solar energy with excess energy being stored in the Triple Power batteries for night or backup use.



HIGH RELIABILITY

- Stable performance in harsh environment
- * Passed the HALT test
- * Extreme high and low temperature test
- * Salt spray test
- * Aging test with full working load



REDDOT WINNER DESIGN

All-in-one home energy system
Blends in beautifully



1 PERSON 30 MINUTES
INSTALLATION

Faster and easier installation



FAST BATTERY CHARGING SPEED

X-ESS G4 only takes ONE hour to fully charge the Triple Power battery.
With the shorter charging time, you can store more power in the same time period.



WORKING UNDER
EXTREMELY COLD

Working in full load under extreme cold weather -30°C/-22°F

X1-HYBRID G4 (SINGLE-PHASE)



DC INPUT

Max. PV array power [Wp]	6000
Max. PV input power ^① (PV1+PV2) [Wp]	4500
Max. PV input voltage [V]	600
Start output voltage [V]	90
Nominal input voltage [V]	360
MPPT voltage range [V]	70 ~ 550
No. of MPPT trackers / Strings per MPP tracker	2 (1 / 1)
Max. input current (input PV1 /input PV 2) [A]	16 / 16
Max. short circuit current (input PV1 /input PV 2) [A]	20 / 20

AC INPUT & OUTPUT

Nominal AC output power [W]	3000
Max. AC output apparent power [VA]	3300
Max. AC output current [A]	14.4
Max. AC input apparent power [VA]	6300
Max. AC input current [A]	27.4
Nominal AC voltage [V]	
Nominal grid frequency [Hz]	
Displacement power factor	
TH-DI (rated power) [%]	

BATTERY DATA

Battery type	Lithium-ion battery / Lead-acid Battery
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]	3000
Peak apparent power [VA]	3600 1h
Max. continuous current [A]	13
Nominal voltage [V]; Frequency [Hz]	
Switch time [ms]	
Parallel operation	

SYSTEM DATA

Max. efficiency [%]	97.6
Euro. efficiency [%]	97.0
Battery charge / discharge efficiency [%] ^②	97.0 / 97.0
Degree of protection	IP65
Operating temperature range [°C]	-35 ~ +60 (Derating above +45)
Max. operation altitude [m]	<3000
Relative humidity [%]	0 ~ 100
Typical noise emission [dB]	
Storage temperature [°C]	
Dimensions (W×H×D) [mm]	
Net weight [kg]	
Cooling concept	
Communication interfaces	

POWER CONSUMPTION

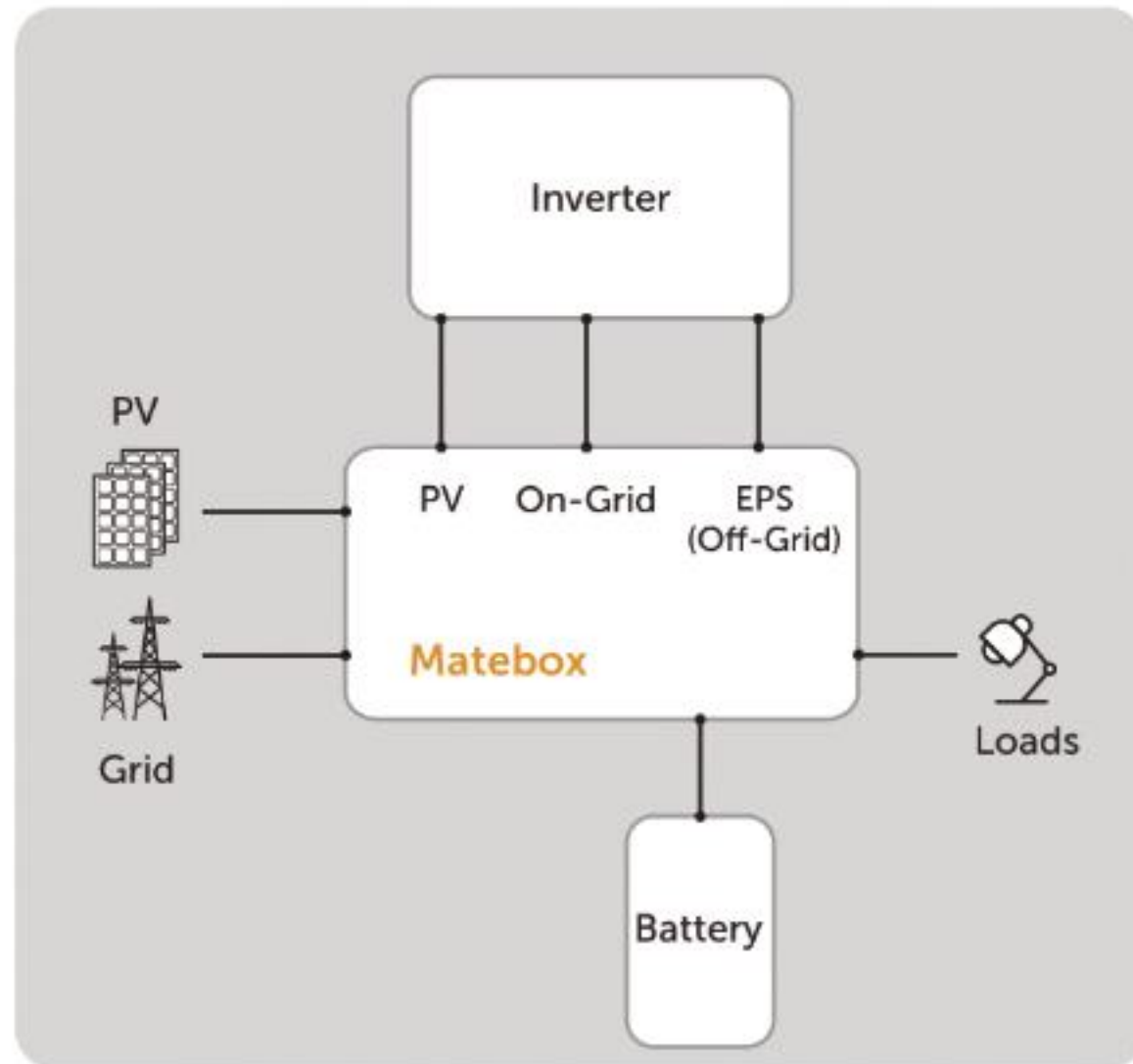
Internal consumption (night) [W]	<17W for standby, <2.7W for idle
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STANDARD

Safety	EN/IEC62109-1/-2
EMC	EN61000-6-1/2/3/4; EN61000-3-2/3/1/1/2
Certification	VDE4105, G99, G98, AS4777, EN50549, CEI 0-21, IEC61727, RD1699, NRS 097-2-1, PEA/MEA, VFR2019, C10/11

①: Indicates that all model single PV1 & PV2 input power upper limit is 5000 W. [Max. PV input power^② (PV1+PV2) restriction takes precedence].
②: PV to BAT Max. efficiency 97.0%, BAT to AC Max. efficiency 97.0%.
V2.4. Information may be subject to modify without notice.

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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 [Vdc]	600
Max. short circuit current [A/B] [A]	18/18
BATTERY	
Battery voltage range [V]	80-480
Max. charge/discharge current [A]	30
ON-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. on-grid current [A]	32.6
OFF-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	230, 50/60
Rated current [A]	32.6
GRID(Utility)	
Rated grid voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. input current [A]	60
LOAD	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. current [A]	60
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 (condensing)
Altitude[m]	<3000
Overvoltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	482x437x185
Net weight [kg]	10.5