

SOLAXBOX

FULLY INTEGRATED SOLAR BATTERY STORAGE SYSTEM



Ground-breaking solar storage system that houses the X-Hybrid inverter & lithium batteries in one compact and stylish storage unit.

SOLAXBOX is the latest solar battery storage solution from market-leading SolaX Power; housing the X-Hybrid inverter, lithium batteries capable of storing up to 14.4kWh of energy and all cables and connections – all in one sleek and compact storage cabinet.

X-Hybrid is an intelligent system that manages the energy generated effectively and efficiently, storing surplus energy in batteries for later use. With X-Hybrid, 'self-use' can increase to in excess of 80% providing both practical and financial benefits to the customer.

Key features

- X** Integrated energy management system
- X** 7-inch colour touch screen display
- X** High performance lithium-ion batteries
- X** Built-in WiFi monitoring
- X** Plug & play installation
- X** German design



SK-SU3000/EB
SK-SU3700/EB
SK-SU5000/EB

For More Information

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TECHNICAL DATA

SOLAXBOX



MODEL	INVERTER+BMU		
	SK-SU3000/EB	SK-SU3700/EB	SK-SU5000/EB with Supercharger
PV INPUT			
Max. recommended DC Power [W]	3300	4000	5000
Max. DC Voltage [V]	550		
Nominal DC operating voltage [V]	360		
MPPT voltage range [V]	125-530		
Max. input current [A]	12	12/12	12/12
Max. short circuit current [A]	15	15/15	15/15
No. of MPP trackers	1	2	2
Strings per MPP tracker	1		
STANDBY AC INPUT / AC OUTPUT			
Input voltage	230/400V, 50HZ/60HZ 3 Phase(3 Ph Compensation)		
Grid configuration	TN-C, TN-S, TT		
Rated operating Current (single phase) A	63		
Rated operating current (3 phase) A	40		
EPS OUTPUT WITH BATTERY (E VERSION ONLY)			
EPS rated power [VA]	2000	4000	
EPS rated voltage [V], Frequency [Hz]	230VAC 50/60Hz		230VAC 50/60Hz
EPS rated current [A]	8.7	17.3	
EPS peak power [VA]	1.5 x rated power, 10s		1.5 x rated power, 10s
Total harmonic distortion (THD)	<3%		<3%
Switch time [S]	<5		<5
INVERTER OUTPUT			
Nominal AC power [W]	3000	3680	4600
Nominal AC voltage, range [V]	230VAC 50/60HZ; 180~270VAC		
Nominal AC current [A]	13	16	20
Max. AC current [A]	14.4	16	22.1
Total harmonic distortion (THD)	<3%		
Power factor (rated power)	1		
Displacement power factor	0.90 leading... 0.90 lagging		
EFFICIENCY			
MPPT efficiency	0.999		
Inverter efficiency	0.976		
Charge/discharge efficiency	0.94		
BATTERY DATA			
Normal voltage [V]	48		
Storage capacity	Up to 14.4kWh (adjustable)		
Battery type	Lithium		
DOD	80%		
Cycle life	4000		
HMI INTERFACE			
LCD	7" graphic LCD		
Communication	Ethernet/Dry contact (Optional)/WiFi		
DIMENSIONS			
L x W x H [mm]	1567 x 680 x 602		
Weight [Kg]	200 (without 6 batteries)		
ENVIRONMENT LIMITS			
Degree of protection	IP20 (for indoor use)		
EMC	IEC61000-6-2, IEC62109-6-3, IEC61000-3-2/-3-12, IEC61000-3-3/-3-11		
Safety	IEC62109-1, IEC62109-2, IEC62040-1		
Topology	Transformerless		
Warranty	10 year		
OTHERS			
Operating temperature range [°C] (inverter)	-10~+50 (derating at 40)		
Operating temperature range [°C] (Battery)	-10~+50		
Storage stability range [°C]	-20~+60		
Altitude [m]	<2000		
Cooling concept	Forced airflow		
Noise emission (typical) [dB]	<40		