

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 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** WiFi & Cable monitoring
- X** Plug & play installation
- X** German design



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

For more information

www.solaxpower.com.au / 1300 476 529

TECHNICAL DATA

SOLAXBOX



	INVERTER+BMU	
MODEL	SK-SU3700/EB	SK-SU5000/EB with Supercharger
PV INPUT		
Max. recommended DC Power [W]	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
Max. short circuit current [A]	15/15	15/15
No. of MPP trackers	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]	3680	4600
Nominal AC voltage; range [V]	230VAC 50/60HZ; 180~270VAC	
Nominal AC current [A]	16	20
Max. AC current [A]	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	5 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	