

X-HYBRID

SOLAR INVERTER

SOLAR ENERGY – DAY AND NIGHT



More than just an inverter, the innovative X-Hybrid is an intelligent energy management system that stores surplus energy in batteries for later use.

E
SERIES
with EPS

With a standard inverter, a typical solar powered property will use as little as 25% of the free energy it generates; exporting the rest to the grid. With X-Hybrid, 'self-use' can increase to in excess of 80% providing both financial and practical benefits to the customer.

Key features

- X** MPPT efficiency up to 99%
- X** Maximum efficiency up to 97.6%
- X** Maximum DC input voltage of 580V
- X** Dual MPP tracker and wide MPPT voltage range for more flexibility
- X** Manage remotely via built-in CT and WiFi monitoring
- X** Reduce grid stress by reducing your solar power feed



SK-SU3000E
SK-SU3700E
SK-SU5000E



Monitor your system day and night in real time via the X-Cloud.

All SolaX Hybrid inverters come with WiFi as standard.

For more information

solaxuk.co.uk / 0845 689 6009

TECHNICAL DATA

X-HYBRID



MODEL	SK-SU3000E	SK-SU3700E	SK-SU5000E
INPUT DC			
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		
Max. short circuit current [A]	15/15		
No. of MPP trackers	2		
Strings per MPP tracker	1		
OUTPUT AC			
AC Nominal Power (W)	3000	3680	4600
Nominal AC Voltage; Range (V)	230VAC 50/60 Hz 180~270VAC		
AC Nominal Current (A)	13	16	20
Max. AC Current (A)	14.4	16	22.1
Total Harmonic Distortion (THD)	<3%		
Power Factor (Rated Power)	1		
EFFICIENCY			
MPPT Efficiency	99.9%		
Euro-Efficiency	97.0%		
Max. Efficiency	97.6%		
Charge Efficiency	94%		
Discharge Efficiency	94%		
Standby Losses	<7W		
CHARGER (BMU)			
Nominal Voltage [V]	48		
Voltage Range [V]	40-60		
Battery Type	Lithium (LFP)		
Max. Charging Current	50		
Over Current Protection	Yes		
Over Temperature Protection	Yes		
CHARGE & DISCHARGE			
Max. Charge Power [W]	2500		
Max. Charge Current [A]	50		
Max. Charge Efficiency	94%		
Max. Discharge Power [W]	2500		
Max. Discharge Charge Current [A]	50		
Max. Discharge Charge Efficiency	94%		
Depth of Discharge	80% (adjustable)		
OTHERS			
Operating Temperature Range [°C]	-10~+50 (derating at 40)		
Storage Stability Range [°C]	-20~+60		
Altitude Limit [m]	<2000		
Cooling Concept	Forced airflow		
Display	LCD (16*4)		
Communications	Ethernet/WiFi		
Noise Emission (typical) [dB]	40		
Humidity [%]	0~95 (non-condensing)		
Protection	IP20 (indoor use)		
EMC Standard	IEC61000-6-1/2/3/4		
Topology	Transformerless		
Warranty	Standard 10 years		
Dimensions W x H x D [mm]	490 x 595 x 167		
Weight [kg]	23.5		
Certification	G83/2	G83/2	G59/3
EPS (with internal charger)	SK-SU3000E	SK-SU3700E	SK-SU5000E
EPS Rated Power [A]	2000		
EPS rated Voltage, Frequency	230VAC, 50/60Hz		
EPS Rated Current [A]	9		
EPS Peak Power [A]	1.5xRP, 10s		
Total Harmonic Distortion (THD)	<3%		
Switch Time	<5s		