

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.

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-SU3000C
SK-SU3700C
SK-SU5000C



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

C SERIES



MODEL	SK-SU3000C		SK-SU3700C	SK-SU5000C
INPUT DC				
Max. Recommended DC Power [W]	3300		4000	5000
Max. DC Voltage [V]	550			
Nominal DC Operating Voltage [V]	360			
MPPT Voltage Range	125-530			
Max. Input Current [A]	12	12/12		12/12
Max. Short Circuit Current [A]	15	15/15		15/15
Number of MPP Trackers	2			
Strings per MPP Tracker	1			
OUTPUT AC				
AC Nominal Power [W]	3000		3680	4600
Nominal AC Voltage; Range [V]	230VAC 50/60Hz; 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	<3W			
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 AND 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)			
OTHER				
Dimensions W x H x D [mm]	680 x 595 x 167			
Weight [kg]	32			
Operating Temperature Range [°C]	-10~+50 (derating at 40)			
Storage Stability Range [°C]	-20~+60			
Altitude Limit [m]	<2000			
Cooling Concept	Forced airflow			
LCD Display	16*4 character			
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	10 years			
Certification	G83/2	G83/2		G59/3