

X-HYBRID

SOLAR INVERTER

SOLAR ENERGY – DAY AND NIGHT



E
SERIES
with EPS

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-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) | | | |
| EPS Rated Power [A] | 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 | | |