

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** Emergency Power Supply
- 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** Programmable Export Control



WITH EXTERNAL
CHARGER

SK-TL3000E
SK-TL3700E
SK-TL5000E



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

www.solaxpower.com / +86 0571-56260011

TECHNICAL DATA

X-HYBRID



MODEL	SK-TL3000E	SK-TL3700E	SK-TL5000E
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
AC Nominal 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		
Displacement power factor	0.9leading to 0.9lagging		
EFFICIENCY			
MPPT Efficiency	99.9%		
Euro-Efficiency	97.0%		
Max. Efficiency	97.6%		
Standby Losses	<7W		
DISPLAY			
LCD	Backlight 16 *4 character		
Communication interfaces	Ethernet/Dry contact /WIFI		
LED light	4		
Button	4		
OTHERS			
DC switch	Optional		
Max. No. of supported external charger	1		
Operating temperature range [°C]	-10~+50(derating at 40)		
Storage stability range [°C]	-20~+60		
Altitude [m]	<2000		
Cooling concept	Forced airflow		
Noise emission (typical) [dB]	<40		
Humidity [%]	0~95 (non-condensing)		
Protection class	IP20 (for indoor use)		
Overvoltage category	III (electric supply side), II (PV side)		
EMC standard	IEC61000-6-1/2/3/4		
Topology	Transformer-less		
Warranty	5 year		
Dimensions (W / H / D) [mm]	475*591*151		
Weight [kg]	21.5		
Certificate	Germany, Australia, Belgium, Netherlands, Denmark, Austria, UK, Italy		
EPS with external charger (support 25A/50A/100A charger)			
EPS rated power [VA]	1000/2000/3000	1000/2000/3680	1000/2000/4000
EPS rated voltage [V], Frequency [Hz]	230, 50/60		
EPS rated current [A]	4.5/9/13	4.5/9/16	4.5/9/17
EPS peak power [VA]	1.5*Prated,10s	1.5*Prated,10s	1.5*Prated,10s
Total harmonic distortion (THD)	<3%		
Swtich time [S]	<5		