

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

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



SK-SU3000**E** SK-SU3700**E** SK-SU5000**E** 



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

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## 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	: T. T. T. T.	
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)	± 11-1	<3%		
Power Factor (Rated Power)	1			
EFFICIENCY		·*		
MPPT Efficiency	99.9%			
Euro-Efficiency	99.9%			
Max. Efficiency	97.6%			
Charge Efficiency	DOCUMENTS.			
Discharge Efficiency	94%			
Standby Losses	94% <7W			
CHARGER (BMU)	9.00	~711		
Nominal Voltage [V]	1	19		
	48			
Voltage Range [V]	40-60			
Battery Type	Lithium (LFP)			
Max. Charging Current	50 Vec			
Over Current Protection	Yes			
Over Temperature Protection		Yes		
CHARGE & DISCHARGE		2500		
Max. Charge Power [W]  Max. Charge Current [A]	2500			
Max. Charge Efficiency	50			
Max. Charge Finciency	94%			
		2500		
Max. Discharge Power [W]		2500		
Max. Discharge Power [W]  Max. Discharge Charge Current [A]		50		
Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency		50 94%		
Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency Depth of Discharge		50		
Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency Depth of Discharge OTHERS		50 94% 80% (adjustable)		
Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency Depth of Discharge OTHERS Operating Temperature Range [°C]		50 94% 80% (adjustable) -10~+50 (derating at 40)		
Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency Depth of Discharge OTHERS Operating Temperature Range [°C] Storage Stability Range [°C]		50 94% 80% (adjustable) -10~+50 (derating at 40) -20~+60		
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Max. Discharge Power [W] Max. Discharge Charge Current [A] Max. Discharge Charge Efficiency Depth of Discharge OTHERS Operating Temperature Range [°C] Storage Stability Range [°C] Altitude Limit [m] Cooling Concept		50 94% 80% (adjustable)  -10~+50 (derating at 40) -20~+60 <2000 Forced airflow		
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