



USE ENERGY, STORE IT, OR FEED IT INTO THE GRID, IT IS NOW POSSIBLE WITH X-HYBRID.

Achieve your independence from traditional power providers considering the intelligent SolaX Hybrid Series with charger.

As we know, Solar panels generate the most energy during the day when the sun is shining and when you and your family tend to use the least energy or have the lowest consumption levels.

With ongoing increases in energy prices and the continual decrease of the feed-in tariff, you must make the most out of your solar energy. Our X-Hybrid 'Self-use Energy Storage System' is the perfect solution to solve this problem and to get the most out of your solar energy both today and into the future. Our Hybrid solution makes it possible to utilise solar power time-independently by storing unused capacity. It converts and directs solar power to where it is needed, when it is needed.



SK-TL3000/SK-TL3700/SK-TL5000 (E) WITH CHARGER

Hybrid Ready Inverter

SK-TL3000 / SK-TL3700 / SK-TL5000 (E)

Prepare for energy independence by using this premium quality hybrid ready inverter. This unit gives you the opportunity to monitor property loads over time and evaluate your energy usage patterns.



SK-SU3000/SK-SU3700/SK-SU5000 (E)

Self-Use Hybrid Inverter

SK-SU3000 / SK-SU3700 / SK-SU5000 (E)

The SU series of hybrid inverter includes 1 built-in battery manager unit and solar MPPT. This intelligent hybrid inverter provides a full solution for energy consumers to maximize the use of their generated solar energy and minimize their energy bills.

Emergency Power Supply
Power your home during grid outage





POWER

WHEN YOU NEED IT.

X-Hybrid Solar Inverter For Self-Use (continued)

Model	SK-SU3000C	SK-SU3700C	SK-SU5000C
► Battery Charger (Inside)			
Compatible battery type	Lead-acid battery/lithium battery		
Battery nominal voltage [V]	48		
Battery voltage range [V]	40-60		
Battery capacity [KWh]	2.4		
Max. charging current [A]	50(adjustable)		
Charging curve	3-stage adaptive with maintenance		
Over-current protection/Over-temperature protection	YES		
Communication interfaces	Can/RS232		
► Charge			
Max. power [W]	2500		
Max. charge current [A]	50		
► Discharge			
Max. power [W]	2500		
Max. discharge current [A]	50		
Depth of discharge	80% (adjustable)		
► Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
Euro-efficiency	97.0%	97.0%	97.0%
Max. efficiency	97.6%	97.6%	97.6%
Standby losses	<7W		
► Others			
DC switch	Optional		
Max. No. of supported external charger	0		
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	Standard 5 years		
Dimensions (W / H / D) [mm]	680 x 595 x 167		
Weight [kg]	32		
Certificate	Germany, Australia,Belgium, Netherlands, Denmark, Austria, UK,Italy		

X-Hybrid Solar Inverter For Self-Use (Emergency Power Supply)

Model	SK-SU3000E	SK-SU3700E	SK-SU5000E
► EPS with internal charger			
EPS rated power [VA]	2000	2000	2000
EPS rated voltage, Frequency	230VAC 50/60HZ		
EPS rated current [A]	9	9	9
EPS peak power [VA]	1.5xPrated, 10s	1.5xPrated, 10s	1.5xPrated, 10s
Total harmonic distortion (THD)	<3%		
Switich time	<5s		

X-Hybrid Solar Inverter For Self-Use

Model	SK-SU3000C	SK-SU3700C	SK-SU5000C
► Input (DC)			
Max. recommended DC power [W]	3300	4000	5000
Max. DC voltage [V]	550		
Norminal DC operating voltage [V]	360		
MPPT voltage range [V]	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	1	2	2
Strings per MPP tracker	1	1	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		
Displacement power factor	0.9leading...0.9lagging [0.95leading...0.95lagging(AUS only)]		
► Display			
Communication interfaces	Backlight 16*4 character		
LED light	Ethernet/Dry contact /WIFI		
Button	4		
LCD	4		

Table continued overleaf