

# Simply Versatile

Be energy storage ready today and have the flexibility to grow your storage capacity with our expandable system



Hybrid Ready Grid Connect Inverter



Expandable x4

Modular 1.3kW Battery Charger



- Install SolaX Power X-Hybrid with or without battery chargers
- Monitor Energy Consumption
- Add Battery Solutions to Suit

SolaX Power Co., Ltd.  
www.solaxpower.com  
E-mail: info@solaxpower.com



## X-Hybrid Ready Grid Connect Inverter

MODEL	SK-TL3000	SK-TL3700	SK-TL5000
<b>► Input (DC)</b>			
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	12/12	12/12
Max. short circuit current [A]	15/15	15/15	15/15
Number of MPP trackers	2	2	2
Strings per MPP tracker	1	1	1
<b>► Output (AC)</b>			
AC nominal power [W]	3000	3680	4600
Nominal AC voltage; range [V]	230VAC 50Hz; 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	0.9 overexcited...0.9 underexcited		
<b>► Efficiency</b>			
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	<3W		
<b>► Display</b>			
LCD	Backlight 16*4 character		
Communication interfaces	Ethernet/Dry contact (wifi optional)		
LED light	4		
Button	4		
<b>► Others</b>			
DC switch	Integrated		
Max No. of supported External expansion	4		
Operating temperature range [°C]	-20 ~+ 50 (derating at 40)		
Storage stability range [°C]	-20 ~ +60		
Altitude [m]	<2000		
Cooling concept	Forced airflow		
Noise emission (typical) [dB]	<40		
Humidity [%]	0 ~ 90 (non-condensing)		
Degree of protection	IP20 (for indoor use)		
Overvoltage category	III (electric supply side), II (PV side)		
EMC	IEC61000-6-1/2/3/4		
Topology	Transformer-less		
Warranty	Standard 5 years		
Dimensions (W / H / D) [mm]	635 x 520 x 150		
Weight [kg]	25		
Certificate	Germany, Australia, Belgium, Netherlands, Denmark, Austria		
Inverter communication	RS485/422/232		
Remote communication	WIFI(802.11B/G/N)/Ethernet		

## X-Hybrid Battery Manager Unit

MODEL	SK-BMU1300
<b>► Battery Manager</b>	
Battery type	Lead-acid battery/lithium battery
Battery nominal voltage [V]	48
Charger expansion	support external expansion
Max. charging current [A]	25~100 depend on No. of chargers
Charging curve	3-stage adaptive with maintenance
Over-current protection/ Over-temperature protection	YES
Communication interfaces	Can/RS232
<b>► Charge</b>	
Max.power[W]	1300
Max.charge current[A]	25
Max.charge efficiency	93%
Depth of discharge	80%(adjustable)
<b>► Discharge</b>	
Max.power[W]	1300
Max.discharge current[A]	25
Max.discharge efficiency	93%
<b>► Others</b>	
Operating temperature range [°C]	-20~+50 (derating at 40)
Storage stability range [°C]	-20~+60
Altitude [m]	<2000
Cooling concept	Forced airflow
Noise emission (typical) [dB]	<40
Humidity [%]	0~90 (non-condensing)
Degree of protection	IP20 (for indoor use)
EMC	IEC61000-6-1/2/3/4
Warranty	Standard 5 years
Dimensions (W / H / D) [mm]	200 x 520 x 150
Weight [kg]	10
Certificate	Germany, Australia, Belgium, Netherlands, Denmark, Austria

