

The Thinner Box, You Deserve

IP54

← Only 36cm Thickness

# YOUR POWER STATION

Includes a PV Hybrid Inverter and Lithium Battery

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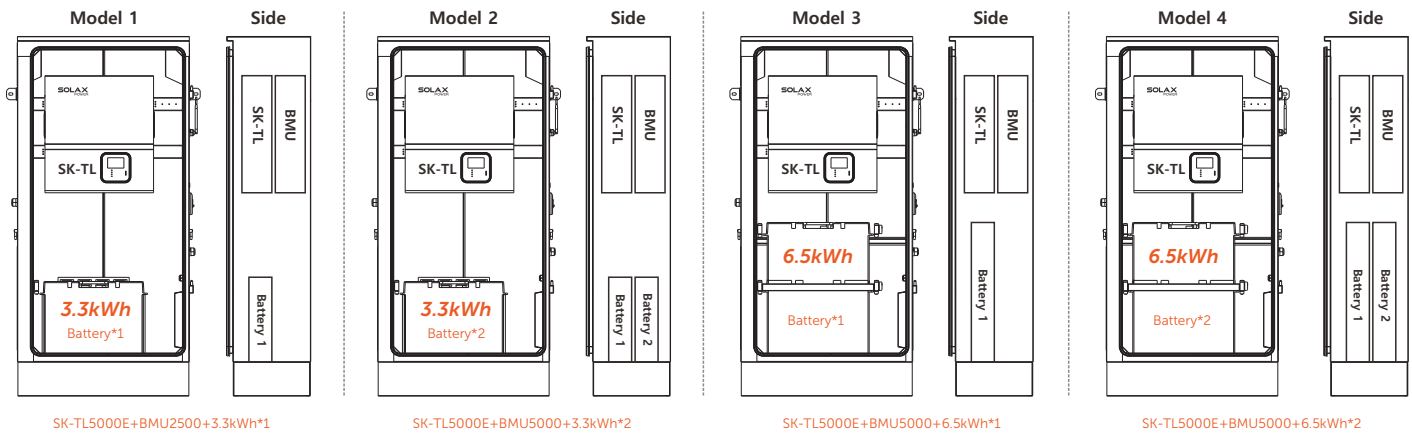
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# Your Power Station

Your power station consists of one X1-Hybrid inverter (SK-TL) and **one** or **two 3kWh** or **6kWh** batteries.



SK-TL5000E+BMU2500+3.3kWh\*1

SK-TL5000E+BMU5000+3.3kWh\*2

SK-TL5000E+BMU5000+6.5kWh\*1

SK-TL5000E+BMU5000+6.5kWh\*2

## Battery Specifications

### General Information

Module type	LG rack mount	
Battery type	Li-ion (NMC)	
Components	Battery Cells + BMS + Protection Device (Breaker)	

### Performance

Nominal Capacity <sup>1</sup> [Ah]	63	126
Nominal Energy <sup>1</sup> [kWh]	3.3	6.5
Nominal Voltage [V]	51.8	
Operating Voltage [V]	42~58.8	
Max. Charge/Discharge Current <sup>2</sup> [A]	63	63
Max. Charge/Discharge Power <sup>2</sup> [kW]	3.3	3.3
Continuous Charge/Discharge Power <sup>2</sup> [kW]	3.0	3.0
Round-Trip Efficiency [%]	≥95	

Cooling	Natural convection	
Communication Interface	Protocol	CAN 2.0B or Modbus 485
	Port	RJ48
Dry Contact	2Ch (Warning or Fault 1/Fault 2)	
Cabinet Dimensions [mm]	750*1570*367	

### Operating Conditions

Operating temperature range [°C]	-10~45
Optimal operating Temperature [°C]	15~30
Storage Temperature [°C]	-30~60
Self -Discharge Rate During Storage [°C]	Less than 6% per year at 25
Humidity [%]	5~95
Altitude [m]	Below 2,000

### Certification

Certification (SK-TL)	VDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK / OVE ONORME 8001/ G83,G59 / CEI 0-21
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1 At standard conditions:

- Charge: CC-CV, with 0.3CC, to 58.8V (3.15A cut off) at 25°C
- Discharge: CC, with 0.3CC, to 42V at 25°C

2 It can be de-rated in accordance with the power limit by BMS.

※ Not acceptable to use two kinds of modules mixed

\*Can be modified without notice.(V1)



SK-BMU 2500



SK-BMU5000

## SOLAX SOLAR CHARGER



The SolaX battery manager can be used with SK-TL series inverter for extending the battery capability of self use. Three options give more flexibility when build up your own energy storage system.

### TECHNICAL DATA

MODEL	SK-BMU2500	SK-BMU5000
<b>Battery Manager</b>		
Battery type	Lead-acid battery/lithium battery	
Battery nominal voltage [V]	48	
Battery voltage range [V]	40-60	
Battery capacity [Kwh] (Suggested)	10	20
Max. charging current [A]	50	100
Charging curve	3-stage adaptive with maintenance	
Over-current protection/Over-temperature protection	Yes	Yes
Communication interfacess	Can/RS232	Can/RS232
<b>Charge</b>		
Max. power [W]	2500	4600
Max. charge current [A]	50	100
<b>Discharge</b>		
Max. power [W]	2500	4600
Max. discharge current [A]	50	100
Depth of discharge	80% for lithium battery	50% for lead-acid battery (adjustable)
<b>Others</b>		
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)	
EMC standard	IEC61000-6-1/2/3/4	
Warranty	5 year	
Dimensions (W / H / D) [mm]	289 x 595 x 167	460 x 595 x 167
Weight [kg]	15.7	19
Certificate	Germany, Australia,Belgium, Netherlands, Danmark, Austria, UK,Italy	
Battery reverse polarity protection	Yes	
Battery anti-shock design	Yes	

For more information

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