



**Solar Power Storage System supports consumption of self-produced electricity**

Solar Power Storage System makes it possible to give priority consumption of the electric generated from your own PV or renewable installation. Solar Power Storage System stores excess energy produced in lithium batteries, which could be used later if necessary, maximizing self-consumption. The public grid will only be used to buy or sell remaining amounts of energy if necessary at all.

**Solar Power Storage System:**

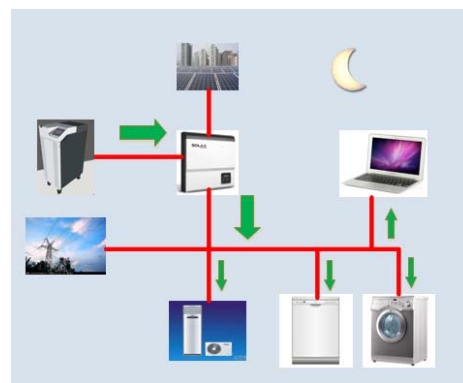
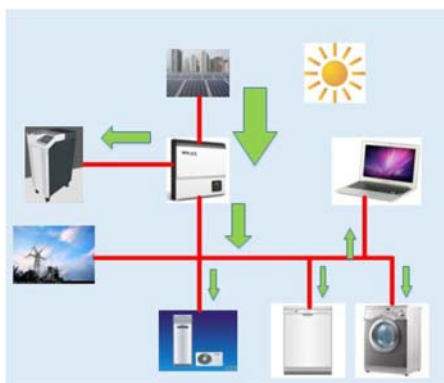
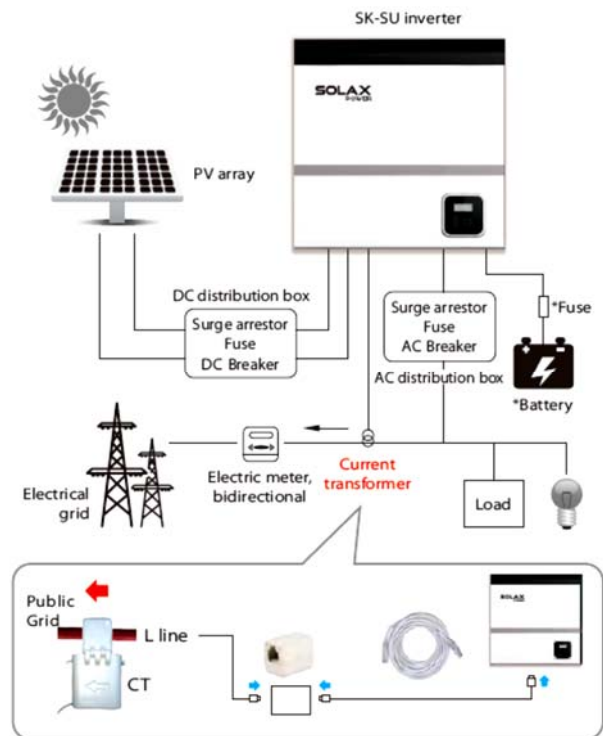
- Quality lithium-ion batteries
- 10 years warranty
- Emergency Power Supply
- Single-phase operation
- Smart function-App for iOS & Android

**Economist investment:**

- Freeze your electricity costs for the next 20 years
- Self-consumption rate up to 75%
- Low maintenance costs
- Simple upgrading for current PV plants

**Simply and quickly installed:**

- Simple assembly without special tools
- Adaptable to increasing demand
- Low maintenance requirements
- Easy Expansion and Upgrade



Use own electricity preferably from PV or battery.



## Inverter (SolaX)

Model	SK-SU3000E	SK-SU5000E
Max. recommended DC power	3300W	5000W
Max. DC voltage	550V	
MPP voltage range	125-530V	
Max. DC current(input A/input B)	12A/12A	
Max. DC power(@ $\cos\psi=1$ )	3000W	5000W
Nominal AC voltage, Frequency	230V~,50/60Hz	
Max. continuous AC current	14.1A	22.1A
Nominal AC apparent power(@ $\cos\psi=1$ )	3000VA	4600VA
Power factor at rated power	1	
Adjustable displacement factor range	0.9 over-excited 0.9 under-excited	
EPS nominal voltage, Frequency	230V~, 50/60Hz	
Battery voltage operation voltage	40V-60V	
Max. charge and discharge current	50A	50A
Max. charge and discharge power	2500W	2500W
Operating ambient temperature range	-10°C~50°C	
Ingress protection	IP20(Indoor use)	
Protective class	I	
Over voltage category	III(MANS),II(PV)	
Grid monitoring	AS4777/VDE-AR-N 4105/ EN50438/VDE0126-1-1/C10/11 OVE/ONORME8001-4-712	
Number of phases	1	1



## RS-Box

Item	General Parameter	
Type	LiFePO <sub>4</sub> (LFP)	
Nominal Voltage	51.2V	
Voltage Range	44.8V-58.4V	
Nominal Capacity	RS-Box 8700	170.0Ah(0.2C)
	RS-Box 4100	80.0Ah(0.2C)
Nominal Energy	RS-Box 8700	8.7kWh(0.2C)
	RS-Box 4100	4.1kWh(0.2C)
Dimension	L340 x W540 x H880 mm	
Weight	RS-Box 8700	110Kg
	RS-Box 4100	70Kg
Max. Continuous Discharge Current	RS-Box 8700	120A(60min.s)
	RS-Box 4100	60A(60min.s)
Nominal Charge/Discharge Current	RS-Box 8700	80A
	RS-Box 4100	40A
Maximum Output Power	RS-Box 8700	7000W
	RS-Box 4100	3500W
Faraday Charge Efficiency(25°C)	99.8%	
Battery Efficiency (C/3,25°C)	92%	
Expected Lifetime (25°C)	>10years	
Expected Cycle Lifetime (90% DOD; 25°C)	>6000cycles	
Operation Temperature Range	Charge: 0~45°C; Discharge: -20~60 °C ( Cell Surface Temperature≤80°C )	
Optimal Temperature Range	15~30°C	
Storage Temperature Range	-30~50°C	
Communication Uplink	RS-232	
Cell Safety(Certification)	IEC62619	
Pack Safety (Certification)	IEC62619	
UN Number	MH 49169	
Transport Safety (Certification)	UN38.3	
TÜV Certification	IEC62619	
CE Certification	EN 61000-6-1、EN61000-6-3	