

ESS Inverter Selection Guide

Home backup power supply

SC HW 1KWH/2KWH



Solar
Power



PC



TV



Fridge



Electric
fan



DVD



AC



FM
Radio

New Experience of Smart Life

Safe, reliable, convenient and easy to use



Highly integrated
plug and play



Module Design
Flexible selection



Automatic recognition
System components



Easy to install and
easy to maintain

Performance parameters

Model	SC HW 1KWH	SC HW 2KWH
Capacity	1KVA/600W	2KVA/1200w
Whole system	All-in-on	
Protective function	Overload, short circuit, over temperature, high/low mains power, high/low battery (shutdown protection)	
Overload	> 110% Alarm Shutdown	
Call the police	Mains failure, low battery voltage, overload, machine failure	
Photovoltaic charging Support	(MPPT controller 10A/20A/30A optional)	

Input/output parameters

Voltage range	145-275VAC
Frequency Range	50Hz or 60Hz (auto-sensing)
Automatic voltage regulator	Intelligent automatic voltage regulation
Output voltage range (mains state)	220Vac ± 10%
Output Voltage Range (Battery Status)	220Vac ± 10%
Frequency Range (Battery Mode)	50Hz or 60Hz ± 10%
Conversion time	2-6ms

Battery parameters

Battery Type	Lithium iron phosphate battery	
Battery voltage	25.6VDC	
Battery capacity :	1024KWH	2048KWH
Maximum AC charging current	5A	

Mechanical parameters

Interface	USB/RS232 /SNMP (Optional)
Noise	< 45dB
Temperature	0 ~ 40°C
Humidity	< 95% no condensation
Size(mm)	(L)350mm*(W)170mm*(H)225mm (L)500mm*(W)170mm*(H)225mm
Net weight (kg)	13kg