

ESS 1KW Hybrid Energy Storage System

25.6V100Ah,25.6V200Ah,51.2V100Ah,51.2V200Ah



Main Features

- LED display
- IP level: IP32
- Remote Wifi optional
- Wide PV input range (Up to 100Vdc).
- On/off grid system, support self-consumption and feed into the grid.
- Inverter/MPPT solar charger/Ac charger/LiFePo4 4 in one kits,easy installation and operation
- All around protection : Over temperature/overload/low-voltage/over-voltage/Anti-island protection, etc.

STORAGE SOLAR SYSTEM

Model No.	ESS-1KW
Basical information	
Max. PV Input Power	1200W
Rated AC Output Power	1000W
Output peak power (W)	2000W(200ms)
Grid-Tie Operation	
Rated power	720W
Grid connected power	600W MAX
Mains charging current	0-40A adjustable
AC input voltage range	90-265VAC
Input frequency range	50HZ/60HZ ±3HZ
THDI	3%
Rectification efficiency	91.2% Max.
AC input connection type	L/N/PE
Solar controller parameters	
Controller type	MPPT controller
Rated battery voltage	25.2V
Charging current	30A max
PV input voltage range	36-100VDC
PV input power	1200W max.
PV charging power	800W max.
Conversion efficiency	96%max
Number of PV input channels	1
PV input interface	Anderson interface
Output (AC)	
Nominal Output Volt	220Vac, Single Phase
output frequency	50/60hz
Output waveform	Pure sine wave
Nominal Output Current	4.5A
Power Factor	1
Efficiency	
Max. Conversion Efficiency (DC/AC)	91.5%max
Energy storage information	
Nominal battery voltage	25.2VDC
Core material	Lithium iron phosphate battery
Energy storage capacity	1536wh
Core cycle	≥2000cycles&25℃ Standard charging and discharging process@80%SOH
Spare parts information	
PV cable	One 5m double core 4m ² PV cable
Power cord	1 European power cord 1.8m
General	
Physical	
Products Dimension,D X W X H (mm)	790*395*160mm
Product Net Weight(kgs)	30kg
Environment	
The noise	60dB Max (1 meter)
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10℃ to 50℃
Storage Temperature	-15℃ to 60℃
Altitude	Below 1,500 meters above sea level. When the altitude is higher than 1500 m, derating is required.

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