SVC ENERGY

ALL IN ONE ESS

RES Pro series

1.2KW/1.28kWh
1.2KW/2.56kWh

FEATURES

▶ Lightweight & compact size – Easy and quick installation.
▶ Lower costs – Safer and more reliable.
▶ High capacity & high power – Supports connecting up to 4 batteries in series for a total of 5.12kWh (100Ah).

Common Power Supply Equipment Reference
*The following reference applies only to the 1.2kW/2.56kWh model. Refer to official specifications for details.

Lamp 20W 100h	Fan 30W 66h	TV 100W 20h	Phone 2942mAh 187 times	Laptop 60W 33h	Coffee Maker 40W 50h	Rice cooker 600W 3h

Technical Parameter

Inverter	RES Pro 1200W
Rated Capacity	1200W
AC Input	
Rated input voltage	208/220/230/240VAC
Voltage Range	170~264VAC(For UPS mode); 90~280VAC(For Home Appliances)
Frequency Range	40~70Hz(Auto sensing)
AC Charging Current Range	2~60A
Max. Input Current	10A
PV Input	
Solar Charging Type	MPPT
PV Max. Input Power	1000W
MPPT Tracking Voltage Range	20~100 VDC
Max. PV Input Voltage	125VDC
PV Charging Current Range	2~60A
Max. Charging Current	120A
Output	
Rated Output Power	1.2KW
Rated Output Voltage	(220V~240V) ± 5%
Output frequency	50/60Hz ± 0.1%
Overload Capacity(Battery Mode)	10min@102%~120% Load 10s@150%~200% Load 1min@120%~150% Load 10s@>200% Load
Peak Efficiency (Battery Mode)	>90.5% battery mode >99% line mode
Transfer Time	10ms

Battery	RES Pro 12100
Rated Voltage	12.8V
Nominal Capacity @0.2C	100Ah
Energy(Wh)	1280Wh
Designed lifespan	10⁺ years life design
Self Discharge Rate	≤3.5% per month at 25℃
Charge Voltage	14.8±0.2V
Charge Mode (CC/CV)	At 0℃~50℃ temperature, charged to 14.4V at a constant current of 0.5C, and then,changed continuously with constant voltage of 14.4V until the current was not more than 0.02C.
Max.Continuous Charge Current	150A
Max. Continuous Discharging Current	150A
Discharge Cut-off Voltage	8.8V
Maximum Number in Series	4 batteries
Communication	Bluetooth, LCD display
Physical Parameters	
W×D×H(mm)	340*172*255
Weight (For Reference)	13.2kg

Product specifications are subject to change without notice.