

ESS SERIES



Safety

Using aluminum alloy casing for prevention of fire, explosion and crash.

A comprehensive 3-tier 16-dimensional safety protection system is implemented.



Performance

Equipped with large capacity battery cell of 314 Ah, cycle life > 8000 times.

BMS and PCS intergrated to enhance product reliability.

Supporting all-in-one charging for utility / photovoltaic / vehicle.^①



Application

Supporting PAYGO to realize flexible payment method.^②

Supporting UPS to meet more application scenarios.

Plug and play,easy to operate.

All-in-one ESS

ESS-2000



Model	ESS-2000
Rated Capacity	1000 W / 2009 Wh
PV Input	
PV Maximum Input Power	550 W
Max. PV Array Open Circuit Voltage	60 VDC ^③
MPPT Range@Operating Voltage	12 ~ 55 VDC
Max. Solar Input Current	15 A
Battery Specifications	
Nominal Voltage	6.4 V
Cell Type	Lithium-LFP
Nominal Energy	2009 Wh
Cycle Life	> 8000 Cycles
AC Input	
Nominal voltage	208 / 220 / 230 / 240; L + N + PE
Voltage Range	90 ~ 280 Vac ± 5 Vac (normal mode)
Frequency	50 / 60 Hz ± 5 Hz
Max. Input Power	1500W (Including Bypass, AC charge Max. 1000W)
AC Output *2	
Rated Capacity	1000 W
Max. Output Power	1000 W
Waveform	Pure Sine Wave
Output Voltage	230 Vac ± 5 Vac
Nominal Frequency	50/60 Hz
Switching Time	≤20 ms
DC Output	
USB-A	4 channels, 5Vdc/1.5A per channel
USB-C	1 channel, 5/9/12/15/20Vdc, 3A 60W Max
DC5521	4 channels, 12Vdc/2.5A
Others	
Operating Temperature	-10 °C ~ 50 °C (When charging, temperature must not be below 0°C)
Dimensions (D*W*H)	160 × 400 × 250 mm
Net Weight	18.7 kg
Ingress Protection	IP21
Operating Temperature Range	5% ~ 95% (Non-condensing)
Storage Temperature	AC input/output UVP/OVP, Battery UVP/OVP, AC Output OLP/SCP, OTP

① Support professional cigarette lighter connection.(optional)

② Africa and restricted areas

③ The PV Max. Input Open-circuit Voltage shall not exceed 60 Vdc. Damage caused by exceeding this limit is not covered under warranty, and the company assumes no liability.