



AS-1000W/2KWH-ESS

1000W/2kWh Portable All-in-one ESS

 1000 W Pure Sine Wave

 Fast PV/AC charging

 Bidirectional inverter

 Color Screen Display

 Double 314Ah LFP Cells

 8000 Cycle Life

Portable Energy Storage System 1000W



Technical Parameters

Model	AS-1000W/2KWH-ESS
AC Input	
Input Mode	Single-phase two-wire (L/N)
Output Voltage Waveform	Pure Sine Wave
Rated Voltage	230Vac
Voltage Range	90-270Vac $\pm 5V$
Frequency Range	45-65Hz
Power Factor	>0.95
AC Charging Power	1000W MAX
AC Inlet	3-pin AC inlet (covered), male*1
PV Input	
Nominal Photovoltaic Voltage	38V
Voltage Range	12-55Vdc
Maximum Current	15A
Maximum Power (MPPT)	500W
Input Port	XT90E-M (with cover)*1
AC Output	
Output Mode	Single-phase two-wire
Rated Voltage	230Vac $\pm 5V$
Rated Frequency	50Hz $\pm 0.5\%$
Total Harmonic Distortion (THD)	$<3\%$ line / $<5\%$ non-linear
Power Factor	≥ 0.99
Full Load Power	1000W
UPS Switching Time	$\leq 20ms$
Maximum Inverter Efficiency	90%
Output Port	Schuko (European standard) socket*2
DC Output (60W Max.)	
Maximum Output Power	18W
Round DC Port*2 Maximum Output Power	60W (12V*1A/2A/3A/4A/5A)
Battery	
Rated Voltage	6.4V
Voltage Range	5.8-7.3V
Typical Capacity	314Ah*2
Capacity	2009.6Wh
Maximum Charging Current	160A
Maximum Charging Power	1000W
Protection Function	
Undervoltage/Overvoltage Protection	Yes
Short Circuit Protection	Yes
Over-temperature Protection	Yes
Environment	
Operating Temperature	$-10^{\circ}C \sim 50^{\circ}C$
Storage Temperature	$-15^{\circ}C \sim 60^{\circ}C$
Humidity	20%-95% RH without condensation
Altitude	$\leq 3000m$, $>3000m$ derate 1% per 100 m
Noise	$<40dB$ (1 meter)
General Data	
Product Dimensions	265mm*225mm*375mm
Packaging Dimensions	295mm*275mm*473mm
Net Weight	19.0kg
Gross Weight	20.0kg

Note: Specifications are subject to change without prior notice.
Special voltage and power requirements can be customized according to user needs.