AST-16000
Portable Power Station

PRODUCT TECHNICAL SPECIFICATION (ABRIDGED)



135 kg
Weight

636×368×900 mm
Dimensions (incl. wheels & handle)

IP20
Protection Rating

≥10 years
Design Life

5 years
Warranty

BATTERY SYSTEM

Parameter	Value
Battery Type	$LiFePO_4$ (LFP)
Nominal Energy	≥16 kWh
Nominal Voltage	51.2 V
Cycle Life	≥6000 cycles @80% SOH

INVERTER & OUTPUT

Parameter	Value
Rated Power	6000 W (Peak 12000W)
Output Waveform	Pure Sine Wave
Output Voltage/Frequency	230V / 50Hz
UPS Transfer	<10 ms

CHARGING PARAMETERS

Parameter	Value
PV Input	6500W Max, 60~540V
MPPT Channels	2
AC Charging Current	0~60A (adjustable)
Fastest Charge	≈2.5 hours

KEY FEATURES

- Multi-unit parallel, supports 3-phase 400V output
- Large wheels + low center of gravity, easy one-person mobility
- APP remote monitoring
- BMS with 9 safety protections
- Multiple safety protections for worry-free use

9 SAFETY PROTECTIONS

- Over Charge Protection
- Over Discharge Protection
- Over Current Protection
- Over Voltage Protection
- Short Circuit Protection
- Over Temperature Protection
- Low Temperature Protection
- Overload Protection
- Fire Protection