

TECHNICAL DATA SHEET

ON/OFF GRID INVERTER ASTERION INV HYBRID II 6.2-48M

This is a hybrid inverter, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in a single package. The comprehensive LCD display offers user-configurable and easy-accessible button operations such as battery charging current, AC or solar charging priority, and acceptable input voltage based on different applications. Also external CT allows you to feed more loads and export energy to grid.



TECHNICAL SPECIFICATIONS

Rated Output Power	6200 VA/6200 W
Peak Power	12400 VA/12400 W
Output Voltage Waveform	Pure sine wave
Nominal Output Voltage	220/230/240 V
Output Frequency	50/60 Hz (Auto sensing)
Peak Efficiency	94%
Nominal DC Input Voltage	48 V
Max Charging Current	120 A
Charging Algorithm	CC/CV
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)
Output Short Circuit Protection	Electronic circuit
Overload Protection	Electronic circuit
Rated Output Power	5s@≥140% load; 10s@105%~140% load

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SOLAR INPUT SPECIFICATIONS	
Rated Power	6200 W
MPPT Controllers	1
Max. PV Array Open Circuit Voltage	500 V
PV Array MPPT Voltage Range	60–500 V
Max. Input Current	27 A
GENERAL SPECIFICATIONS	
Parallel Kit	Yes
Max Parallel Numbers	Up to 12 inverters, 1 or 3 phase
Communication Interface	Optional Wi-Fi
Monitoring	APP and web
BMS port	Yes
Safety Certification	CE
Operating Temperature Range	-10 °C ... +50 °C
Storage Temperature	-15 °C ... +60 °C
Humidity	5% to 95% Relative Humidity (Non-condensing)
Dimension (D*W*H)	450x300x130 mm
Net Weight	12 kg
Material	Metal, plastic
Country of Manufacture	China
Warranty	18 months
Service Life	At least 5 years
Special features	External CT included and working without batteries



Developer and supplier of energy storage and power generation solutions

<https://energon-group.com/>

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ASTERION-HYBRID-II-140524-EN