

TECHNICAL DATA SHEET



MULTI-FUNCTION INVERTER

This is a multi-function 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.



MODEL	ASTERION INV ECO II 1.5-12M	ASTERION INV ECO II 3.5-24M	ASTERION INV ECO II 5.5-48M	ASTERION INV ECO II 6.2-48MT
TECHNICAL SPECIFICATIONS				
Rated Output Power	1500VA/1500W	3500VA/3500W	5500VA/5500W	6200VA/6200W
Output Voltage Waveform	Pure Sine Wave			
Nominal Output Voltage	220/230 Vac \pm 5%			
Output Frequency	50 Hz / 60 Hz			
Peak Efficiency	93%		94%	
Nominal DC Input Voltage	12 V	24 V	48 V	48 V
Max Charging Current	120 A	100 A	120 A	120 A
Charging Algorithm	CC/CV			
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)			
No Load Power Consumption	—	—	—	—
Output Short Circuit Protection	Electronic circuit			
Overload Protection	5s@ \geq 140% load; 10s@100%~140 % load	5s@ \geq 140% load; 10s@100%~140 % load	5s@ \geq 150% load; 10s@110%~150 % load	5s@ \geq 120% load; 10s@105%~120 % load

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SOLAR INPUT SPECIFICATIONS				
Rated Power	900 W	4000 W	5500 W	6500 W
MPPT Controllers	1	1	1	1
Max. PV Array Open Circuit Voltage	160 Vdc	500 V	500 V	500 V
PV Array MPPT Voltage Range	30-160 V	60-500 V	60-500 V	60-500 V
Max. Input Current	50 A	15 A	18 A	27 A
GENERAL SPECIFICATIONS				
Parallel Kit	No			Yes
Max Parallel Numbers	No			To 12 inverters
Communication Interface	RS232/RS485			
Monitoring	Optional with WM-DESS			
BMS port	Yes			
Safety Certification	CE			
Operating Temperature Range	-10 °C to 50 °C			
Storage Temperature	-15 °C to 60 °C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Dimension (D*W*H)	225x320x88 mm	225x320x88 mm	433x310x125 mm	438x312x122 mm
Net Weight	6 kg	6 kg	7,6 kg	11 kg
Material	Metal, plastic	Metal, plastic	Plastic	Metal, plastic
Country of Manufacture	China			
Warranty	12 months	12 months	15 months	15 months
Service Life	At least 5 years			
Special features	Li activation function for LFP plastic batteries		Plastic body	Twin AC output controlled by SoC



Developer and supplier of
energy storage and power
generation solutions

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