



- Pure sine wave output
- Wide DC input range
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery on Grid
- Detachable LCD control module with multiple communications
- Built-in Wi-Fi for mobile monitoring (App is available)
- Support USB On-the-Go function
- Reserved communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units.

INFINI VIII 5kW

MODEL	INFINI VIII 5kW
Max. PV Array Power	6000W
Rated Output Power	5000W
Maximum PV Array Open Circuit Voltage	450 VDC
PV Input Voltage Range	120 VDC ~ 450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC
Maximum PV Input Current	27A
Number of MPP Tracker	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	21.7A
Power Factor Range	0.9lag ~ 0.9 lead, default 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID/HYBRID OPERATION	
GRID-INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto Sensing)
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VAC
Maximum Solar Charger Current	100 A
Maximum AC Charger Current	100 A
Maximum Charge Current	100 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	142 x 297 x 455
Net Weights (kgs)	12
INTERFACE	
Parallel Function	Yes, 9 Units
Communication Port	USB, WiFi, RS485, RS232
ENVIRONMENT	
Humidity	0 ~ 95% RH (No Condensing)
Operating Temperature	0 to 50°C

Product specifications are subject to change without further notice.



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