



- Pure sine wave output
- Self-Consumption & Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current & Voltage
- Programmable multiple operation modes: Grid-tie, Off-grid & grid-tie with backup
- Monitoring software for real-time status display & control
- Parallel operation up to 9 units

INFINI VII 5kW

On-Grid Inverter with Energy Storage

MODEL	INFINI VII 5kW
PHASE	1-phase in / 1-phase out
Rated Output Power	5000W
Max. PV Array Power	6000W
Maximum PV Array Open Circuit Voltage	450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC
MPP Tracker Number	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	22A
Power Factor Range	>0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID/HYBRID OPERATION	
GRID-INPUT	
Nominal Output Voltage	230 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto Sensing)
BATTERY MODE OUTPUT (AC)	
Output Voltage Regulation	230 VAC \pm 5%
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	90%
BATTERY & CHARGER	
Nominal DC Voltage	48 VAC
Maximum Solar Charger Current	80 A
Maximum AC Charger Current	80 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	120 x 295 x 468
Net Weights (kgs)	11.0
INTERFACE	
Communication Port	USB, and RS-232
ENVIRONMENT	
Humidity	5% to 95% RH (No Condensing)
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.

