



INFINI SOLAR
VIII 3KW
Hybrid Inverter

120VDC ~ 430VDC
MPP Voltage Range

60A
Maximum
Charging Current

User-adjustable
charging

Intelligent
Load Management



Wifi built in

Communication
Interface
USB / RS-232

-10°C to 50°C
Operating Temperature

LCD Display



- Pure sine wave output
- Built-in MPPT solar charger
- Self-consumption & Feed-in to the grid
- Programmable supply priority for PV, Battery on grid
- Programmable multiple operation modes: Grid-tie, off-grid & grid-tie with backup
- Detachable LCD panel
- Support USB On-the-Go function
- Reserve BMS communication
- Parallel operation up to 9 units.
- Built-in Wifi for mobile monitoring (APP is available)

PV CAPACITY
4500W



InfiniSolar VIII On-Grid Inverter with Energy Storage Selection Guide

MODEL	Infini Solar VIII 3kW
PHASE	1-phase in 1-phase out
Maximum PV Input Power	4500W
Rated Output Power	3000W
Maximum Charging Power	3000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage\Max. DC Voltage	360 VDC/ 500 VDC
Start-up Voltage\Initial Feeding Voltage	120 VDC/ 150 VDC
MPP Voltage Range	120 VDC~ 430 VDC
No. of MPP Trackers/Max. Input Current	1/13A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VDC
Output Voltage Range	184,264.5 VAC OR 195.5-253 VAC (Selectable)
Nominal Output Current	13A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency(DC\AC)	95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage\Auto Restart Voltage	120 - 140 VAC\180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
No. of MPP Trackers/Max. Input Current	1/13A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage\Max. DC Voltage	360 VDC/500 VDC
Start-up Voltage\Initial Feeding Voltage	120VDC/ 150VDC
MPP Voltage Range	120VDC ~ 430VDC
No. of MPP Trackers/Max. Input Current	1/13A
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	13A
AC INPUT	
AC Start-up Voltage\Auto Restart Voltage	120-140 VAC/ 180 VAC
Acceptable Input Voltage Range	90-280 VAC OR 170-280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency(DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	60A
Maximum AC Charging Current	60A
Maximum Charging Current	60A
GENERAL	
PHYSICAL	
Dimension, D x W x H(mm)	140 x 295 x 468
Net Weight (kgs)	11
INTERFACE	
Parallel Function	Yes, 9units
Communication Port	USB, RS-232, Dry Contact and Wifi
ENVIRONMENT	
Humidity	0~90% RH (No Condensing)
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.