



INFINI SOLAR VIII 6KW

Hybrid Inverter

120VDC ~ 430VDC
MPP Voltage Range

120A
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

6000W

InfiniSolar VIII On-Grid Inverter with Energy Storage Selection Guide

MODEL		Infini Solar V III 6kW
PHASE		1-phase in \ 1-phase out
Maximum PV Input Power		6000W
Rated Output Power		6000W
Maximum Charging Power		6000W
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		1/27A
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		26.1
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		1/27A
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		1/27A
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		26.1A
AC INPUT		
AC Start-up Voltage\Auto Restart Voltage		120-140 VAC/ 180 VAC
Accpetable 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		120A
Maximum AC Charging Current		120A
Maximum Charging Current		120A
GENERAL		
PHYSICAL		
Dimension, D x W x H(mm)		140 x 295 x 468
Net Weight (kgs)		14
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.