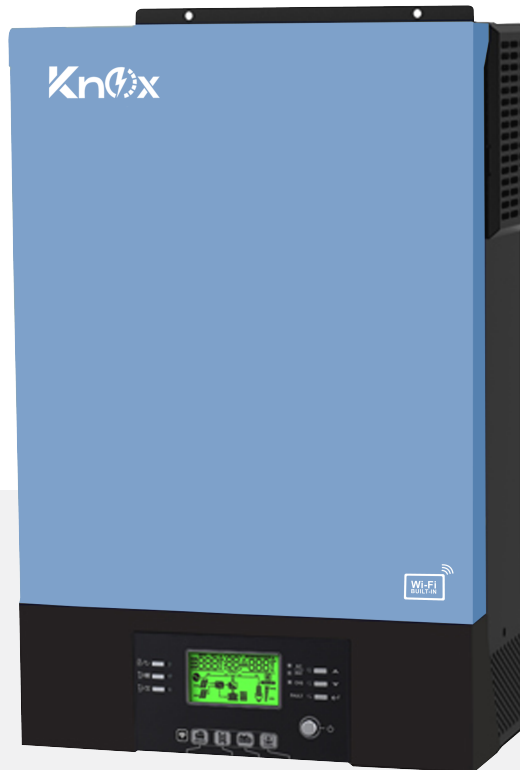


# InfiniSolar VIII

High PV voltage range



**Models:**

**Infini VIII 3kW Twin**

**Infini VIII 6kW Twin**



Easy-to-install



Reliable



User-friendly

- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Built-in MPPT solar charger
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Detachable LCD panel
- Reserve BMS communication
- Built-in WiFi for mobile monitoring (APP is available)
- Supports USB on-the-go function
- Parallel operation up to 9 units



**In Built Wifi**



**Dual Output**

Output Economy: For Light Load, Fans etc  
Output Luxury: For AC/Heavy Load



**Intelligent  
Load Management**



Technical Data Sheet		On-Grid Inverter with Energy Storage	
MODEL	InfiniSolar VIII 3kW		InfiniSolar VIII 6kW
Phase	1-phase in / 1-phase out		
Maximum PV Input Power	4500W		7000W
Rated Output Power	3000W		6000W
Maximum Charging Power	3000W		6000W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC		360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC		120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A		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	13A		26A
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	40 A		40 A
PV INPUT (DC)			
Maximum DC Voltage	500 VDC		500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A		1 / 27A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		93%
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC		360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC		120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A		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	13A		26A
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	40 A		40 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		93%
BATTERY & CHARGER			
Nominal DC Voltage	48 VDC		
Maximum Solar Charging Current	60 A		120 A
Maximum AC Charging Current	60 A		120 A
Maximum Charging Current	60 A		120 A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	140 x 295 x 468		140 x 365 x 468
Net Weight (kgs)	11		14
INTERFACE			
Parallel Function	Yes, 9 units		
Communication Port	USB, RS-232, Dry Contact and WiFi		
ENVIRONMENT			
Humidity	0 ~ 90% RH (No condensing)		
Operating Temperature	-10°C to 50°C		