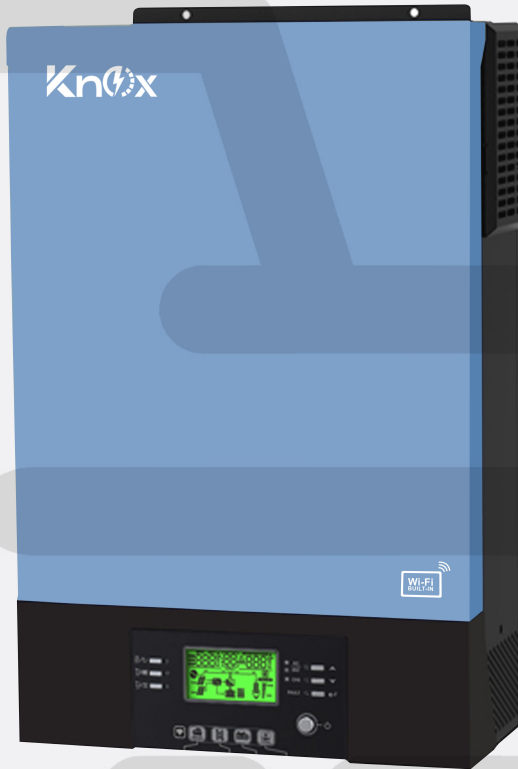


# InfiniSolar VIII

High PV voltage range



Models:

Infini VIII 3kW Twin

Infini VIII 6kW Twin



## Easy-to-install

- 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



## Reliable



## User-friendly



## In Built Wifi



## Dual Output

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



## Intelligent

## Load Management

Edengears

THE QUALITY SERVICE YOU EXPECT

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
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
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
<b>GRID OUTPUT (AC)</b>		
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	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	95%	
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
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
<b>PV INPUT (DC)</b>		
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
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	93%
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
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
<b>GRID OUTPUT (AC)</b>		
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
<b>AC INPUT</b>		
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
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	93%
<b>BATTERY &amp; CHARGER</b>		
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
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	140 x 295 x 468	140 x 365 x 468
Net Weight (kgs)	11	14
<b>INTERFACE</b>		
Parallel Function	Yes, 9 units	
Communication Port	USB, RS-232, Dry Contact and WiFi	
<b>ENVIRONMENT</b>		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	-10°C to 50°C	