

# InfiniSolar V IV

ON-GRID INVERTER WITH ENERGY STORAGE



- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Self-consumption and Feed-in to the grid
- 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
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Parallel operation up to 9 units

## InfiniSolar V IV On-Grid Inverter with Energy Storage Selection Guide

MODEL	InfiniSolar V IV 3.6KW	InfiniSolar V IV 5.6KW	InfiniSolar V IV 6KW
<b>PHASE</b>	1-phase in / 1-phase out		
<b>MAXIMUM PV INPUT POWER</b>	5000W	6000W	6500W
<b>RATED OUTPUT POWER</b>	3600W	5600W	6000W
<b>MAXIMUM CHARGING POWER</b>	5000W	6000W	6000W
<b>GRID-TIE OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC	110VDC / 120 VDC	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	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	15.6A	24.3A	26.1A
Power Factor	> 0.9		
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)	96%	96%	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		
Maximum AC Input Current	40 A	40 A	40 A
<b>PV INPUT (DC)</b>			
Maximum DC Voltage	500 VDC	450 VDC	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	1 / 27 A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sinewave		
Efficiency (DC to AC)	93%	93%	93%
<b>HYBRID OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC	110VDC / 120 VDC	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	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	15.6A	24.3A	26.1A
<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	40A	40A	40A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240 VAC		
Efficiency (DC to AC)	93%	93%	93%
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	48 VDC	48 VDC	48 VDC
Maximum Solar Charging Current	100A	120A	120A
Maximum AC Charging Current	100A	120A	120A
Maximum Charging Current	100A	120A	120A
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	140 x 295 x 468		
Net Weight (kgs)	11	12	12
<b>INTERFACE</b>			
Parallel Function	Yes, 9 units		
Communication Port	USB/RS232/RS485/Wifi/Dry-contact		
<b>ENVIRONMENT</b>			
Humidity	0 ~ 90% RH (Non-condensing)		
Operating Temperature	-10 to 50°C		

Product specifications are subject to change without further notice.