

Infini V 4 WP



- Pure sine wave output
- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485), Wi-Fi
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Parallel operation up to 9 units

Infini V 4 WP On-Grid Inverter with Energy Storage Selection Guide

MODEL	Infini V 4 WP 6KW	Infini V 4 WP 8KW
PHASE	1-phase in / 1-phase out	
MAXIMUM PV INPUT POWER	6500 W	8000W
RATED OUTPUT POWER	6000VA/6000W	8000VA/8000W
MAXIMUM CHARGING POWER	6000 W	6000W
GRID-TIE OPERATION		
PV INPUT (DC)		
Maximum DC Voltage	550 VDC	550 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 30A	2 / 18A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selectable)	
Nominal Output Current	26A	34.7A
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	60A
PV INPUT (DC)		
Maximum DC Voltage	550 VDC	550 VDC
MPP Voltage Range	120VDC ~ 450 VDC	120VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 30A	2 / 18A
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)		
Maximum DC Voltage	550 VDC	550 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 30A	2 / 18A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selectable)	
Nominal Output Current	26A	34.7A
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	60A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Efficiency (DC to AC)	93%	93%
BATTERY & CHARGER		
Nominal DC Voltage	48 VDC	
Maximum Solar Charging Current	120 A	120 A
Maximum AC Charging Current	120 A	120 A
Maximum Charging Current	120 A	120 A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	192 x 360 x 665	
Net Weight (kgs)	22.5	32
INTERFACE		
Parallel Function	Yes, 9 units	
Communication Port	USB or RS-232/Dry Contact/RS485/Wi-Fi	
ENVIRONMENT		
Humidity	0 ~ 95% RH (No condensing)	
IP degree	IP65	
Operating Temperature	-25°C to 50°C	

Product specifications are subject to change without further notice.