

Infini VII WP

ON-GRID INVERTER WITH ENERGY STORAGE



- 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
- Reserved communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units

Infini VII WP On-Grid Inverter with Energy Storage Specification

MODEL	Infini VII WP 4.6KW	Infini VII WP 6KW
Phase	1-phase in / 1-phase out	
Maximum PV Input Power	6000W	6500W
Rated Output Power	4600VA/4600W	6000VA/6000W
Maximum Charging Power	4600W	6000W
GRID-TIE OPERATION		
PV INPUT (DC)		
Maximum DC Voltage	550 VDC	
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum 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	21.7A	26A
Power Factor	>0.99	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	96%	
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	
PV INPUT (DC)		
Maximum DC Voltage	500 VDC	550 VDC
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum 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)		
Maximum DC Voltage	500 VDC	550 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum 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	21.7A	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	
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	100 A	120 A
Maximum AC Charging Current	100 A	120 A
Maximum Charging Current	100 A	120 A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	200 x 360 x 665	
Net Weight (kgs)	22.5	
INTERACE		
Parallel Function	Yes, 9 units	
Communication Port	USB or RS-232/Dry Contact/RS485	
ENVIRONMENT		
Humidity	0 ~ 95% RH (No condensing)	
Operating Temperature	-25°C to 50°C	

Product specifications are subject to change without further notice.