

Infini V4 WP Plus HMI



- IP66 certified enclosure
- User-friendly HMI LCD design and easy configuration
- Built-in 2 MPP trackers
- Supports energy storage from generator
- Dual inputs and dual outputs for smart energy management
- Max. PV input current 21A or 27A based on models
- Max. charging current 135A or 190A based on models
- Built-in WiFi with APP for mobile monitoring
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- Parallel operation up to 9 units

Infini V4 WP Plus HMI Hybrid Inverter Specification

MODEL	Infini V4 WP 6KW Plus
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	12000W
RATED OUTPUT POWER	6000VA/6000W
MAXIMUM CHARGING POWER	6000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
Start-up Voltage / Initial Feeding Voltage	80 VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	2 / 21A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC or 182-260 VAC (Selectable)
Nominal Output Current	26A
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	60 - 80 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
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	2 / 21A
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
Start-up Voltage / Initial Feeding Voltage	80 VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	2 / 21A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 182 - 260 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	60 - 80 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	135A
Maximum AC Charging Current	135A
Maximum Charging Current	135A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	192 x 414 x 630
Net Weight (kgs)	29
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB or RS-232/Dry Contact/RS485/WiFi
ENVIRONMENT	
Humidity	0 ~ 100% RH (No condensing)
Operating Temperature	-10°C to 50°C
PROTECTION & CERTIFICATE	
Safety	IEC 62109, IEC 62116, IEC 61727, IEC 61683
Grid Connection Standard	EN 50549-1, VDE-AR-N4105

Product specifications are subject to change without further notice.

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