



INFINI V4 WP 6KW HYBRID

Features

- IP65 waterproof and dustproof makes the inverter available for various working conditions.
- Dual output for smart load control.
- Two independent AC power sources connected and switched automatically.
- 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.



MODEL	INFINI V4 WP 6KW HYBRID
Rated Power	6000VA/6000W
Maximum PV Input Power	7000W
Phase	1-phase in / 1-phase out
Maximum Charging Power	6000W
PV INPUT (GRID-TIE OPERATION)	
Maximum DC Voltage	550 VAC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers/Maximum Input Current	1 / 30A
PV INPUT (HYBRID OPERATION)	
Maximum DC Voltage	550 VAC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers/Maximum Input Current	1 / 30A
AC INPUT (OFF-GRID OPERATION)	
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	40A
AC INPUT (HYBRID OPERATION)	
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
GRID OUTPUT (GRID-TIE OPERATION)	
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
Power Factor	>0.99
GRID OUTPUT (HYBRID OPERATION)	
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
BATTERY MODE OUTPUT (HYBRID OPERATION)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY MODE OUTPUT (OFF-GRID OPERATION)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (Peak)	93%
Waveform	Pure sine wave

* Product specifications are subject to change without further notice



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MODEL	INFINI V4 WP 6KW HYBRID
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
PHYSICAL	
Dimension, D X W X H (mm)	115 x 300 x 435
Net Weight (kgs)	22.5
Parallel Function	9 Units
Communication Interface	USB or RS-232/Dry Contact/RS485/Wi-Fi
OPERATING ENVIRONMENT	
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	-25°C to 50°C
IP Degree	IP65

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