



- IP66 certified enclosure
- 7" HMI LCD design for easy configuration
- Built-in 3 MPP trackers based on models
- Maximum PV input current increases to 28A
- Dual output for smart load control
- Two independent AC power sources connected and switched automatically
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units
- Support storing energy from diesel generator



Infini V4 WP Elite HMI Hybrid Inverter Selection Guide

MODEL	Infini V4 WP Elite 12KW
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	24000W
RATED OUTPUT POWER	12000VA/12000W
MAXIMUM CHARGING POWER	12000W
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	52.18
Power Factor	> 0.99
Maximum Conversion Efficiency (DC/AC)	>97%
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	70 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	3 / 28A
Number of Strings Per MPP Tracker	2
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60VDC
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	220A
Maximum AC Charging Current	220A
Maximum Charging Current	220A
PHYSICAL	
Dimension, D x W x H (mm)	167 x 494 x 630
Net Weight (kgs)	40
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	RS-232/RS485, WIFI
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C
PROTECTION & CERTIFICATE	
Safety/EMC Standard	IEC/EN 62920, IEC/EN 62109-1/-2, IEC61683, IEC62116, IEC61727, EN50549-1/-10

Product specifications are subject to change without further notice.