Infini V4 WP Elite HMI





- IP66 certified encloure
- 4.3" HMI LCD design for easy configuration
- Built-in 2 or 3 MPP trackers based on models
- Maximum PV input current increases to 21A/27A/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 6.6KW	Infini V4 WP Elite 8.6KW	Infini V4 WP Elite 10.6KW	Infini V4 WP Elite 12KW
PHASE	1-phase in / 1-phase out			
MAXIMUM PV INPUT POWER	12000W	16000W	18000W	24000W
RATED OUTPUT POWER	6600VA/6600W	8600VA/8600W	10600VA/10600W	12000VA/12000W
MAXIMUM CHARGING POWER	6600W	8600W	10600W	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	28.7A	37.4A	46.1A	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	40 A	60 A	60 A	70 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	2 / 27A	2 / 27A	3 / 28A
Number of Strings Per MPP Tracker	1	2	2	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	135A	190A	210A	220A
Maximum AC Charging Current	135A	190A	210A	220A
Maximum Charging Current	135A	190A	210A	220A
PHYSICAL				
Dimension, D x W x H (mm)	192 x 418 x 633			167 x 494 x 630
Net Weight (kgs)	23.5	28	29	40
INTERFACE				
Parallel Function	Yes, 9 units			
Communication Port	RS-232/RS485, WIFI			
ENVIRONMENT				
Humidity	0 ~ 100% RH (No condensing)			0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C			
PROTECTION & CERTIFICATE				
Safety/EMC Standard	IEC/EN 62109-1 ,IEC/EN 62109-2,IEC/EN 61000-6-2/4,IEC 61683,IEC62116,IEC61727			IEC/EN 62920, IEC/EN 62109-1/-2, IEC61683, IEC62116, IEC61727, EN50549-1/-10

Product specifications are subject to change without further notice.