



# SOLAR INVERTER

**INFINISOLAR V4 WP 6.6KW ELITE**

- IP66 certified enclosure
- Built-in 2 MPP trackers
- Maximum PV input current increases to 21A
- 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

MODEL	Infini V4 WP 6.6KW Elite
<b>PHASE</b>	1-phase in / 1-phase out
<b>MAXIMUM PV INPUT POWER</b>	12000W
<b>RATED OUTPUT POWER</b>	6600VA/6600W
<b>MAXIMUM CHARGING POWER</b>	6600W
<b>GRID OUTPUT (AC)</b>	
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
Power Factor	> 0.99
Maximum Conversion Efficiency (DC/AC)	97%
<b>AC INPUT</b>	
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
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	2 / 21A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	90% - 93%
<b>BATTERY &amp; CHARGER</b>	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60VDC
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	135A
Maximum AC Charging Current	135A
Maximum Charging Current	135A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	192 x 418 x 633
Net Weight (kgs)	23.5
<b>INTERFACE</b>	
Parallel Function	Yes, 9 units
Communication Port	RS-232/RS485, WIFI (Optional)
<b>ENVIRONMENT</b>	
Humidity	0 ~ 100% RH (No condensing)
Operating Temperature	-10°C to 50°C
<b>PROTECTION &amp; CERTIFICATE</b>	
Safety/EMC Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-2/4

Product specifications are subject to change without further notice.