



CoreTECH

# PV 8000

- Increased PV power to 8000W
- Maximum PV input current 27A
- Dual outputs for smart load management
- Touchable button with 4.3" colored LCD
- Built-in Wi-Fi with APP for remote monitoring
- Programmable supply priority for PV, Battery or Grid
- Self-consumption first and sell excess energy back to grid
- Reserved communication port for BMS
- Parallel operation up to 9 units



INFINI V4 6.2KW TWIN



MODEL	INFINI V4 6.2KW TWIN
<b>PHASE</b>	1-phase in / 1-phase out
<b>MAXIMUM PV INPUT POWER</b>	8000W
<b>RATED OUTPUT POWER</b>	6200W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	28.3A
Power Factor	> 0.99
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	96%
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	
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	40 A
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	93%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	28.3A
<b>AC INPUT</b>	
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
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
<b>INTERFACE</b>	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/Wifi/Dry-contact
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10 to 50°C
Ingress Protection	IP21

Product specifications are subject to change without further notice.