



- IP65 waterproof and dustproof for various working conditions
- Support multiple input & output- Split Phase 208/240Vac or Single Phase 230Vac
- Built-in AC coupled function
- Built-in WiFi for mobile monitoring (APP is available)
- Accepts second input power source, generator input compatible
- Optionalexternal CT sensor to guarantee 100% self-consumption
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 6 units

## InfniSolar WP LV 12kw Split-phase On-Grid Inverter with Energy Storage Specification

MODEL	InfniSolar WP LV 12KW
Phase	120/240V Split phase, 120V/208V Split phase
Maximum PV Input Power	12000W
Rated Output Power	10000VA/10000W
Maximum Charging Power	10000W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	600 VDC
Start-up Voltage / Initial Feeding Voltage	125 VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 18A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	120 VAC (P-N) / 208 VAC (P-P) / 240 VAC (P-P)
Output Voltage Range	105.5 VAC - 132 VAC (per phase)
Nominal Output Current	41.5A per phase
Power Factor	0.9 lag to 0.9 lead
<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	85 VAC (per phase) / 90 VAC (per phase)
Acceptable Input Voltage Range	85 - 140 VAC (per phase)
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40A per phase
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	600 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 18A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	120 VAC (P-N) / 208 VAC (P-P) / 240 VAC (P-P)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	91%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	600 VDC
Start-up Voltage / Initial Feeding Voltage	125VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 18A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)
Output Voltage Range	105.5 VAC - 132 VAC (per phase)
Nominal Output Current	41.5 A per phase
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)
Acceptable Input Voltage Range	85 - 140 VAC (per phase)
Maximum AC Input Current	40 A per phase
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	120 VAC (P-N) / 208 VAC (P-P) / 240 VAC (P-P)
Efficiency (DC to AC)	91%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	40-62 VDC
Maximum Solar Charging Current	200 A
Maximum AC Charging Current	200 A
Maximum Charging Current	200 A
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	215,5 x 515 x 715
Net Weight (kgs)	45
<b>INTERACE</b>	
Parallel Function	Yes, 6 units
Communication Port	RS232, RS485, WI-FI, USB
<b>ENVIRONMENT</b>	
Protection Degree	IP 65
Operating Temperature	-25°C to 60°C (>45°C derating)

Product specifications are subject to change without further notice.