

ON- GRID INVERTER

InfniSolar WP LV



- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Built-in WiFi for mobile monitoring (App is available)
- Built-in alternative port for generator and emergent load
- Optional external CT sensor to guarantee 100% self-consumption
- 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 6 units

Infinisolar WP LV 6KW On-grid Inverter With Energy Storage

MODEL	InfniSolar WP LV 6KW
Phase	120V / 240V Split phase, 120V / 208V Split phase
Maximum PV Input Power	7500W
Rated Output Power	6000VA / 6000W
Maximum Charging Power	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
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 / 15A
GRID OUTPUT (AC)	
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	25 A per phase
Power Factor	0.9 lag to 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
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	40 A per phase
PV INPUT (DC)	
Maximum DC Voltage	600 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 15A
BATTERY MODE OUTPUT (AC)	
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%
HYBRID OPERATION	
PV INPUT (DC)	
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 / 15A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
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
BATTERY MODE OUTPUT (AC)	
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%
BATTERY & CHARGER	
Nominal DC Voltage	40-62 VDC
Maximum Solar Charging Current	120 A
Maximum AC Charging Current	120 A
Maximum Charging Current	120 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	215.5 x 515 x 700
Net Weight (kgs)	41
INTERFACE	
Parallel Function	Yes, 6 units
Communication Port	RS232, RS485, WI-FI, USB
ENVIRONMENT	
Protection Degree	IP 65
Operating Temperature	-25°C to 60°C (>45°C derating)