

InfiniSolar WP LV (Split phase)



- 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
- Optional external 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

InfiniSolar WP Split-phase On-Grid Inverter with Energy Storage Specification

MODEL	InfiniSolar 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	120VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 15A
GRID OUTPUT (AC)	
Nominal Output Voltage	110 VAC (P-N) / 220 VAC (P-P)
Output Voltage Range	97-132VAC(P-N) / 194VAC-264VAC(P-P)
Nominal Output Current	27.3 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	85VAC(P-N), 170VAC(P-P) / 90VAC(P-N), 180VAC(P-P)
Acceptable Input Voltage Range	85 - 140 VAC (P-N) / 170 - 280 VAC (P-P)
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	30 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	110 VAC (P-N) / 220 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	120VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 15A
GRID OUTPUT (AC)	
Nominal Output Voltage	110 VAC (P-N) / 220 VAC (P-P)
Output Voltage Range	97-132VAC(P-N) / 194VAC-264VAC(P-P)
Nominal Output Current	27.3 A per phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	85VAC(P-N), 170VAC(P-P) / 90VAC(P-N), 180VAC(P-P)
Acceptable Input Voltage Range	85 - 140 VAC (P-N) / 170 - 280 VAC (P-P)
Maximum AC Input Current	30 A per phase
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	110 VAC (P-N) / 220 VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC Voltage	42-62 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)

Product specifications are subject to change without further notice.