

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 WiFi for mobile monitoring (APP is available)
- Dual outputs selected as either programmable output or generator input
- Built-in alternative port for generator and emergent load
- 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 Selection Guide

MODEL	InfiniSolar WP LV 6KW	InfiniSolar WP LV 10KW
Phase	120/240V Split phase, 120V/208V Split phase	120/240V Split phase, 120V/208V Two-thirds phase
Maximum PV Input Power	7500W	14500W
Rated Output Power	6000VA/6000W	10000VA/10000W
Maximum Charging Power	6000W	10000W
GRID-TIE OPERATION		
PV INPUT (DC)		
Maximum DC Voltage	600 VDC	600 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 160 VDC	120VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 550 VDC	120 VDC ~ 550 VDC
Number of MPP Trackers / Maximum Input Current	2 / 15A	2 / 27A
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	41.5 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	50 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	2 / 27A
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%	96%
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	2 / 27A
GRID OUTPUT (AC)		
Nominal Output Voltage	110 VAC (P-N) / 220 VAC (P-P)	
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BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	110 VAC (P-N) / 220 VAC (P-P)	
Efficiency (DC to AC)	91%	96%
BATTERY & CHARGER		
Nominal DC Voltage	42-62 VDC	80-576 VDC
Maximum Solar Charging Current	120 A	50 A
Maximum AC Charging Current	120 A	50 A
Maximum Charging Current	120 A	50 A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	215.5 x 515 x 700	262 x 500 x 575
Net Weight (kgs)	41	50
INTERACE		
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.