

InfiniSolar WP LV 15kw (Split phase)



- Support multiple input & output- 120V/240V Split phase, 120V/208V Split phase
- Door-type cable compartment
- Max grid passthrough current 200A
- 3-stage with equalization or self-adaptation to BMS for Lithium-ion battery
- Built-in WiFi for mobile monitoring (APP is available)
- Built-in AC coupled function
- Accepts second input power source, generator input compatible
- Built-in arc fault detection (AFD) and rapid shutdown (RSD)
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 6 units

InfiniSolar WP LV 15kw Split-phase Hybrid Inverter Specification

MODEL	InfiniSolar WP LV 15kw
PHASE	120V/240V Split phase, 120V/208V Split phase
Maximum PV Input Power	22000W
Rated Output Power	12000VA/12000W Default 15000VA/15000W MAX
Maximum Charging Power	250A
GRID-TIE OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
Start-up Voltage / MPP Voltage Range	120VDC / 150 VDC ~ 450VDC
Number of MPP Trackers / Number of Strings Per MPP Trackers	4 / 2 + 2 + 2 + 2
Maximum Input Current	26A + 26A + 26A + 26A
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	62.5A per phase
Power Factor	0.9 lag to 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	93%
OFF-GRID, HYBRID OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
Start-up Voltage / MPP Voltage Range	120VDC / 150 VDC ~ 450 VDC
Number of MPP Trackers / Number of Strings Per MPP Trackers	4 / 2 + 2 + 2 + 2
Maximum Input Current	26A + 26A + 26A + 26A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)
Acceptable Input Voltage Range	90 - 140 VAC (per phase)
Pass Through	200A
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)	93%
AC Output Power	15000VA/15000W PV & Battery
BATTERY & CHARGER	
DC Voltage Range / Nominal Voltage	42-60 VDC / 48 VDC
Maximum Solar Charging Current	250A
Maximum AC Charging Current	250A
Maximum Charging Current	250A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	267.5 x 575 x 800
Net Weight (kgs)	65
INTERFACE	
Parallel Function	Yes, 6 units
Communication Port	RS232, RS485, WI-FI, USB, Dry contact, BMS
ENVIRONMENT	
Operating Temperature	-25°C to 60°C
PROTECTION & CERTIFICATE	
Safety	UL1741SA, UL1741SB
Grid Connection Standard	IEEE 1547.1:2020; IEEE 1547:2018
EMC	FCC Part 15
PV DC Switch - NEC 250.15	Yes
Ground Fault Detection — NEC 690.5	Yes
PV Rapid Shutdown Protection - NEC 690.12	Yes
PV Arc Fault Detection — NEC 690.11	Yes
PV Input Lightning Protection	Yes

*Output power will be derated according to internal temperature.
Product specifications are subject to change without further notice.