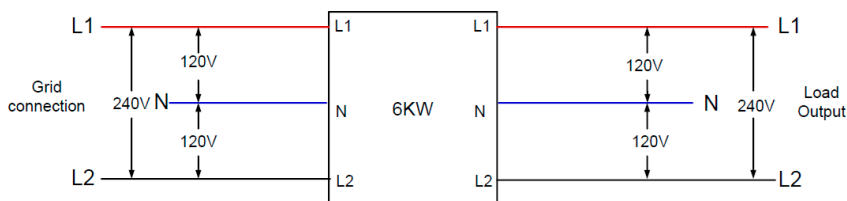


InfiniSolar VII 6kw (Split phase)



- Built-in transformer, supporting split phase operation
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current up to 120A
- Detachable LCD control module with multiple communications
- Built-in WI-FI for mobile monitoring (App is available)
- Reserved communication port for BMS (RS485)
- Parallel operation up to 9 units

The phase angle between L1 and L2 is 180°.



InfiniSolar VII 6kw Split Phase Hybrid Inverter Specification

MODEL	InfiniSolar V II 6kw
PHASE	Split phase
Maximum PV Input Power	6000W
Rated Output Power	6000W
Maximum Charging Power	5000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
GRID OUTPUT (AC)	
Nominal Output Voltage	110-120VAC (L-N) / 220-240VAC (L1-L2)
Output Voltage Range	93.5 - 126.5 VAC for 110VAC ; 102 -138 VAC for 120VAC
Nominal Output Current	27.3A for 110VAC, 25A for 120VAC
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID, HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110 VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	65 VAC (P-N), 130 VAC (P-P) / 70 VAC (P-N), 140 VAC (P-P)
Acceptable Input Voltage Range	65 - 140 VAC (Appliances) or 95 - 140 VAC (Personal computer)
Maximum AC Input Current	40 A per phase
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	110-120VAC (L-N) / 220-240VAC (L1-L2)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	138.4 x 365 x 593.6
Net Weight (kgs)	26
INTERFACE	
Communication Port	USB/RS-232/RS-485/WiFi/Dry contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.