INFINI- PRO THREE PHASE HYBRID SOLAR INVERTER

12-15kW

- IP65 waterproof and dustproof makes the inverter available for various working conditions.
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalaned load support
- Optional dual outputs for smart load management (check sales)
- Buit-in AC coupled function
- User-adjustable charging current and voltage
- Reserved communication port for BMS (RS485)
- Parallel operation up to 6 units

MODEL	INFINI PRO 12KW	INFINI PRO 15KW
MAXIMUM PV INPUT POWER	16000W	22500W
RATED OUTPUT POWER	12000W	15000W
MAXIMUM CHARGING POWER	12000W	15000W
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	
MPP Voltage Range	350 ~ 950 VDC	350 ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 26A	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 2	A: 2, B: 2
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 265 VAC per phase	
Nominal Output Current	17.4 A per phase	21.7 A per phase
Power Factor range	0.9 lag ~ 0.9 lead	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	>96%	
European Efficiency@ Vnominal	>95%	
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range	170 - 290 VAC per phase	
Maximum AC Input Current	40 A	40 A
PV INPUT (DC)		
Maximum DC Power	16000 W	22500 W
Maximum DC Voltage	1000 VDC	1000 VDC
MPP Voltage Range	350 ~ 950 VDC	350 ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 26A	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 2	A: 2, B: 2
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	91%	91%

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Efficiency (DC to AC)	91%	91%
BATTERY & CHARGER		
Battery Voltage Range	40 ~ 62 VDC	40 ~ 62 VDC
Maximum Charging Current	250 A	300 A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	255 x 660 x 750	
Net Weight (kgs)	70	73
INTERFACE		
Communication Port	RS-232, RS-485, USB, CAN and Wi-Fi	
Intelligent Slot	Optional for SNMP and Modbus cards	
ENVIRONMENT		
Humidity	0 ~ 100% RH (Non-condensing)	
Operating Temperature	-25 to 60°C, > 45°C power derating	
Altitude	0 ~ 1000 m**	

Grid Connection

RGB Led Screen

Wi-Fi Real Time Monitoring Support