

InfiniSolar WP Elite



- IP66 certified enclosure
- User-friendly HMI LCD design and easy configuration
- Supports energy storage from generator
- Dual inputs and dual outputs for smart energy management
- Built-in WiFi with APP for mobile monitoring
- 150% unbalanced load support
- User-adjustable charging current and voltage
- Reserved communication port for BMS (RS485)
- Parallel operation up to 6 units

InfiniSolar WP Elite Three Phase Hybrid Inverter Selection Guide

MODEL	InfiniSolar WP Elite 8KW	InfiniSolar WP Elite 10KW	InfiniSolar WP Elite 12KW
MAXIMUM PV INPUT POWER	12000W	15000W	18000W
RATED OUTPUT POWER	8000W	10000W	12000W
MAXIMUM CHARGING POWER	8000W	10000W	12000W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC	720 VDC / 900 VDC	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	150 VDC / 150 VDC	150 VDC / 150 VDC	150 VDC / 150 VDC
MPP Voltage Range	150 VDC ~ 850 VDC	150 VDC ~ 850 VDC	150 VDC ~ 850 VDC
Full MPP Voltage Range	400 VDC ~ 850 VDC	420 VDC ~ 850 VDC	400 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 15A, B: 15A	2 / A: 18A, B: 18A	2 / A: 27A, B: 18A
GRID OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	230 VAC (P-N) / 400 VAC (P-P)	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase	184 - 265 VAC* per phase	184 - 265 VAC* per phase
Nominal Output Current	11.6 A per phase	14.5 A per phase	17.4A per phase
Power Factor range	0.9 lag ~ 0.9 lead	0.9 lag ~ 0.9 lead	0.9 lag ~ 0.9 lead
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	>96%	>96%	>96%
European Efficiency@ Vnominal	>95%	>95%	>95%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase		
Acceptable Input Voltage Range	170 - 290 VAC per phase		
Maximum AC Input Current	40 A		
PV INPUT (DC)			
Maximum DC Voltage	900 VDC		
MPP Voltage Range	150 VDC ~ 850 VDC		
Full MPP Voltage Range	400 VDC ~ 850 VDC	420 VDC ~ 850 VDC	400 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 15A, B: 15A	2 / A: 18A, B: 18A	2 / A: 27A, B: 18A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	>93%		
HYBRID OPERATION			
PV INPUT (DC)			
Maximum DC Voltage	900 VDC		
Start-up Voltage / Initial Feeding Voltage	150 VDC / 150 VDC	150 VDC / 150 VDC	150 VDC / 150 VDC
MPP Voltage Range	150 VDC ~ 850 VDC	150 VDC ~ 850 VDC	150 VDC ~ 850 VDC
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BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Efficiency (DC to AC)	>93%		
BATTERY & CHARGER			
Battery Voltage Range	40 ~ 60 VDC		
Maximum Discharging Current	200 A	220 A	250 A
Maximum Charging Current	160 A	200 A	240 A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	247 x 500 x 650		
Net Weight (kgs)	50		54
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**		
PROTECTION & CERTIFICATE			
Safety	IEC 62116, IEC 61727, IEC 61683, IEC 62109, IEC 61000-6-2:2019, IEC 61000-6-4:2019, IEC 61000-3-11:2019, EN 61000-3-12: 2011		
Grid Connection Standard	EN 50549-1, VDE-AR-N4105		

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.

** Power derating 1% every 100 m when altitude is over 1000m
Product specifications are subject to change without further notice