

# ON-GRID INVERTER WITH ENERGY STORAGE

## InfiniSolar WP TWIN



- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalanced load support
- Reserved communication port for BMS (RS485)
- Maximum PV input current 27A
- Dual outputs for smart load management
- User-adjustable charging current
- Parallel operation up to 6 units



### InfiniSolar WP TWIN Three Phase On-Grid Inverter with Energy Storage Selection Guide

MODEL	InfiniSolar WP TWIN 15kw
Maximum PV Input Power	22500 W
Rated Output Power	15000 W
Maximum Charging Power	15000 W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
Nominal Output Current	21.7 A per phase
Power Factor Range	0.9 lag ~ 0.9 lead
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	>96%
European Efficiency@ Vnominal	>95%
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	
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	40A
<b>PV INPUT (DC)</b>	
Maximum DC Power	22500 W
Maximum DC Voltage	1000 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	91%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2
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<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%
<b>BATTERY &amp; CHARGER</b>	
Battery Voltage Range	40 ~ 62 VDC
Maximum Charging Current	300 A
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	255 x 660 x 750
Net Weight (kgs)	78
<b>INTERACE</b>	
Communication Port	RS-232, RS-485, USB, CAN and Wi-Fi
Intelligent Slot	Optional for SNMP and Modbus cards
<b>ENVIRONMENT</b>	
Humidity	0 ~ 100% RH (Non-condensing)
Operating Temperature	-25 to 60°C, > 45°C power derating
Altitude	0 ~ 1000 m**

\*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.