

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 |
| GRID-TIE OPERATION | |
| PV INPUT (DC) | |
| 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 |
| 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 | 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 | 40A |
| PV INPUT (DC) | |
| 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 |
| 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% |
| HYBRID OPERATION | |
| PV INPUT (DC) | |
| Maximum DC Voltage | 1000 VDC |
| Start-up Voltage / Initial Feeding Voltage | 320 VDC / 350 VDC |
| MPP Voltage Range | 350 VDC ~ 950 VDC |
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| Maximum AC Input Current | 40A |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 230 VAC (P-N) / 400 VAC (P-P) |
| Efficiency (DC to AC) | 91% |
| BATTERY & CHARGER | |
| Battery Voltage Range | 40 ~ 62 VDC |
| Maximum Charging Current | 300 A |
| GENERAL | |
| PHYSICAL | |
| Dimension, D x W x H (mm) | 255 x 660 x 750 |
| Net Weight (kgs) | 78 |
| INTERACE | |
| 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** |

*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.