



InfiniSolar Super 4KW



- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Accepts dual AC inputs : Utility and Generator compatible
- Built-in emergent power supply port for emergent lighting or loads
- Multiple communication for USB, Modbus and SNMP
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units
- Enhance AC/Solar charger to 80A

ON-GRID INVERTER WITH ENERGY STORAGE

InfiniSolar Super Hybrid Inverter Selection Guide

| MODEL | FCS - InfiniSolar Super 4KW |
|--|--|
| Phase | 1-phase in / 1-phase out |
| Maximum PV Input Power | 5000 W |
| Rated Output Power | 4000 W |
| Maximum Charging Power | 4000 W |
| GRID-TIE OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 580 VDC |
| Start-up Voltage / Initial Feeding Voltage | 116 VDC / 150 VDC |
| MPP Voltage Range | 280 VDC ~ 500 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 1 x 18 A |
| GRID OUTPUT (AC) | |
| Nominal Output Voltage | 202/208/220/230/240 VAC |
| Output Voltage Range | 184-264.5 VAC* |
| Nominal Output Current | 17.5 A |
| Power Factor | > 0.99 |
| 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 | 170-280 VAC |
| Maximum AC Input Current | 40 A |
| PV INPUT (DC) | |
| Maximum DC Voltage | 580 VDC |
| MPP Voltage Range | 280 VDC ~ 500 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 1 x 18 A |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 202/208/220/230/240 VAC |
| Output Waveform | Pure sinewave |
| Efficiency (DC to AC) | 91% |
| HYBRID OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 580 VDC |
| Start-up Voltage / Initial Feeding Voltage | 116 VDC / 150 VDC |
| MPP Voltage Range | 280 VDC ~ 500 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 1 x 18 A |
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| AC Start-up Voltage / Auto Restart Voltage | 120-140 VAC / 180 VAC |
| Acceptable Input Voltage Range | 170-280 VAC |
| Maximum AC Input Current | 40A |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 202/208/220/230/240 VAC |
| Efficiency (DC to AC) | 91% |
| BATTERY & CHARGER | |
| Nominal DC Voltage | 48 VDC |
| Maximum Charging Current | 80 A |
| GENERAL | |
| PHYSICAL | |
| Dimension, D X W X H (mm) | 117 x 438 x 535 |
| Net Weight (kgs) | 16.2 |
| INTERACE | |
| Communication Port | USB/Dry contact |
| Intelligent Slot | Optional SNMP, Modbus and AS-400 cards available |
| ENVIRONMENT | |
| Humidity | 0 ~ 90% RH (Non-condensing) |
| Operating Temperature | 0 to 40°C |
| Altitude | 0 ~ 1000 m** |

*These 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.

