



- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- 3 MPPT Inputs up to 180A solar charging current at 48Vdc battery voltage



InfiniSolar VII 3-phase in/3-phase out On-Grid Inverter With Energy Storage Selection Guide

| MODEL | InfiniSolar VII 3P-6KW | InfiniSolar VII 3P-9KW | InfiniSolar VII 3P-15KW |
|--|---|------------------------|-------------------------|
| PHASE | 3-phase in / 3-phase out | | |
| Max. PV Array Power | 9000W | 12000W | 15000W |
| Rated Output Power | 6000W | 9000W | 15000W |
| Maximum PV Array Open Circuit Voltage | 450 VDC | 450 VDC | 450 VDC |
| MPPT Range @ Operating Voltage | 120 VDC ~ 430 VDC | 120 VDC ~ 430 VDC | 120 VDC ~ 430 VDC |
| MPP Tracker Number | 3 | 3 | 3 |
| GRID-TIE OPERATION | | | |
| GRID OUTPUT (AC) | | | |
| Nominal Output Voltage | 220/230/240 VAC (P-N) / 380/400/415 VAC (P-P) | | |
| Output Voltage Range | 195.5 - 253 VAC per phase @ India Regulation 184 - 264.5 VAC per phase @ German Regulation | | |
| Nominal Output Current | 8.7 A per phase | 13 A per phase | 21.7 A per phase |
| Power Factor | > 0.99 | | |
| EFFICIENCY | | | |
| Maximum Conversion Efficiency (DC/AC) | 95% | 95% | 95% |
| OFF-GRID, HYBRID OPERATION | | | |
| GRID INPUT | | | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180 VAC per phase | | |
| Acceptable Input Voltage Range | 90 - 280 VAC or 170 - 280 VAC per phase | | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | | |
| Maximum AC Input Current | 20 A per phase | 30 A per phase | 30 A per phase |
| BATTERY MODE OUTPUT (AC) | | | |
| Nominal Output Voltage | 220/230/240 VAC per phase | | |
| Output Waveform | Pure sine wave | | |
| Efficiency (DC to AC) | 93% | | |
| BATTERY & CHARGER | | | |
| Nominal DC Voltage | 48 VDC | | |
| Maximum Solar Charge Current | 180 A | | |
| Maximum AC Charge Current | 180 A | | |
| Maximum Charge Current | 180 A | | |
| GENERAL | | | |
| PHYSICAL | | | |
| Dimension, D x W x H (mm) | 588 x 260 x 655 | | |
| Net Weight (kgs) | 36 | 38 | 40 |
| INTERFACE | | | |
| Communication Ports | USB, RS-232 and dry contact | | |
| ENVIRONMENT | | | |
| Humidity | 0 ~ 90% RH (Non-condensing) | | |
| Operating Temperature | 0 to 50°C | | |

Product specifications are subject to change without further notice.