

High Frequency Solar Inverter



- Multi-function inverter charger, combined inverter and solar charge controller
- Pure sine wave inverter
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC / Solar input priority via LCD setting
- Compatible with commercial power or generator
- Parallel operation with up to 4 units (Only available for SYNAPSE 4.0)
- Auto restart while AC is recovering Overload and short circuit protection
- Smart battery charging design to optimize battery performance
- Cold start function
- + = including MPPT

Specification

| MODEL | | SYNAPSE 4,0+ |
|--------------------------------|---------------------------------------|--|
| Default Battery System Voltage | | 48VDC |
| INVERTER OUTPUT | Rated Power | 5000VA 4000W |
| | Surge Power | 10000VA |
| | Waveform | Pure sine wave |
| | AC Voltage Regulation (Batt.Mode) | 230VAC±5% |
| | Inverter Efficiency (Peak) | 93% |
| | Transfer Time | 10ms (For Personal Computers) 20ms (For Home Appliances) |
| | AC INPUT | Voltage |
| Selectable Voltage Range | | 170~280VAC (For Personal Computers) 90~280VAC (For Home Appliances) |
| Frequency Range | | 50Hz/60Hz (Auto sensing) |
| BATTERY | Nominal voltage | 48VDC |
| | Floating Charge Voltage | 54VDC |
| | Overcharge Protection | 60VDC |
| SOLAR CHARGER & AC CHARGER | Maximum PV Array Open Circuit Voltage | 105VDC |
| | Standby Power Consumption | 2W |
| | Maximum Solar Charge Current | 50A |
| | Maximum AC Charge Current | 60A |
| | Maximum Charge Current | 110A |
| MECHANICAL SPECIFICATION | Dimension,W*H*D | 297.5*468*125mm |
| | Net Weight (kg) | 9.8 |
| OTHER | Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| | Operating Temperature | 0°C -55°C |
| | Storage Temperature | -15°C-60°C |

*Product specifications are subject to change without further notice