

LFPV 15KW/18KW

Pure Sine Wave Inverter



Pure Sine Wave



Low Frequency



UPS Configuration



8 Battery Type



AC/Battery
Priority



PFC for Charger



Charge Rate Up
to 100Amp



Battery Temperature
Sensor



Introduction



- Split phase pure sine inverter charger DC 48V AC 240V input AC output 120V/240V.
- Auto Generator Start (AGS).
- Include Battery Temperature Sensor (BTS) and Remote Control.
- 8 kinds of battery voltage selection(lithium LiFePO4, gel, AGM and lead Acid batteries).
- Compatible With All kind of Home & Office Appliances.
- Powerful Charge Rate Up to 100A/140A,depends on models, Selectable From 0%-100%.
- Built-in transfer switch and battery charge, backup or off grid power solutions.
- AC/Battery Priority Mode, Designates the Inverter-Preferred UPS Configuration.
- 4-step Intelligent Battery Charging, PFC (Power Factor Correction) for Charger.

Technical Specifications

| Product Model | LFPV15K-48-120A-SP | LFPV18K-48-120A-SP |
|--------------------------------------|---|------------------------|
| Main Specification | | |
| Continuous Output Power | 15.0KW | 18.0KW |
| Surge Rating(20s) | 45.0KW | 54.0KW |
| Output Waveform | Pure Sine Wave | |
| AC Output Voltage | 120V and 240V | |
| AC Input Voltage | 240V(not suitable for AC 120V input) | |
| DC Battery Voltage | 48Vdc | |
| AC Battery charger | 140A | 100A |
| Output Frequency | 50Hz /60Hz | |
| Typical transfer Time | 10ms(Max) | |
| DC Input | | |
| Nominal Input Voltage | 48.0Vdc | |
| Minimum Start Voltage | 40.0Vdc / 42.0Vdc | |
| Low Battery Alarm | 42.0Vdc / 44.0Vdc | |
| Low Battery Trip | 40.0Vdc / 42.0Vdc | |
| High Voltage Alarm | 64.0Vdc | |
| Low Battery voltage recover | 62.0Vdc | |
| Power Saver on Idle Consumption | 45W | 50W |
| Power Saver off Idle Power | 225W | 270W |
| Charger | | |
| Output Voltage | Depends on battery type | |
| Battery Initial Voltage for Start Up | 40-62.8V | |
| Over Charge Protection Shutdown | 62.8V | |
| Charger Breaker | 140A | 100A |
| Input Voltage Waveform | Sine wave (Grid or Generator) | |
| AC input range | 184-253Vac/140-270Vac | |
| Nominal Input Frequency | 50Hz or 60Hz (Auto detect) | |
| Packaging | 15000W 48V Inverter | 18000W 48V Inverter |
| Unit Weight | 176.6 LB | 197 LB |
| Unit Size | 28.7x 16.5x 8 inch | 28.7 x 16.5 x 8.7 inch |
| Shipping Weight | 213 LB | 232 LB |
| Shipping Size | 34.3x21.3x16.1inch | 34.3x21.3x16.1inch |
| Configuration | English Manual,Remote Control,BTS Cable | |