

Low Frequency Pure Sine Wave Inverter EP3000 Series (8KW/10KW/12KW)



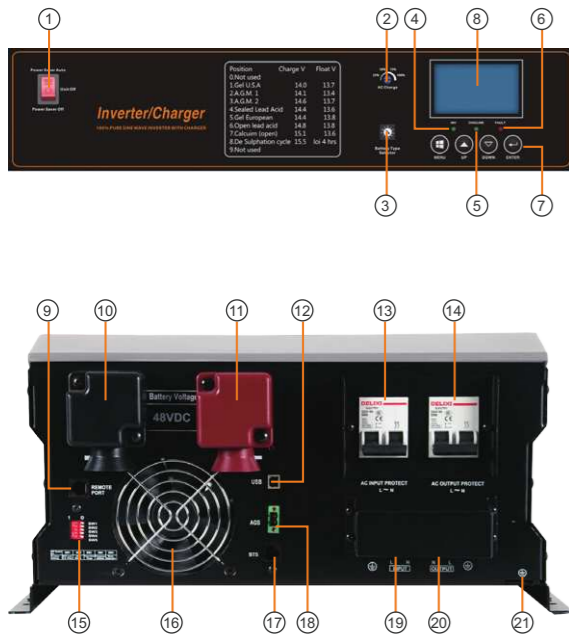
Features

- Rated power 8KW to 12KW
- Pure sine wave output
- Max 100A automatic 3-stage battery charger
- Charger current is Adjustable (0-100%)
- Automatically send signal to start generator
- DC start & automatic self-diagnostic function
- Supporting USB/RS485 communication and BTS & AGS port
- Battery/AC priority

Introduction

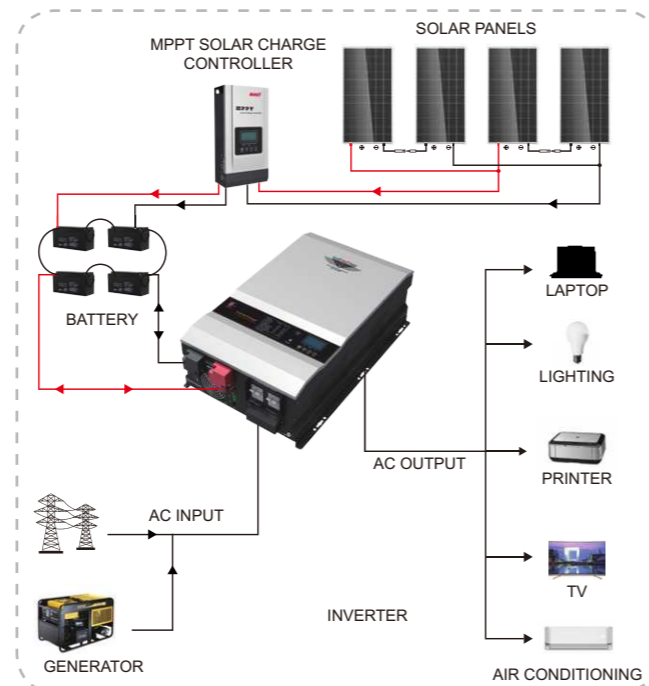
Low frequency pure sine wave combined inverter&A/C charger EP3000 Series 8 -12kw; Quiet,high efficiency operation front panel LED+LCD indicators and adjustable switch selectors selectable settings for flooded lead acid,Gel,or absorbed glass mat(AGM) batteries. Mainly for home and office appliances such as TV, refrigerator, fans lights and computers etc.

Back panel printing description



1. Power saver on/off switch
2. AC Charger current setting
3. Battery Voltage Setting
4. Inverter indicator
5. Grid indicator
6. Fault indicator
7. Function
8. LCD display
9. Remote panel
10. BAT-
11. BAT+
12. RS485/USB Communication port
13. AC input bypass breaker
14. AC output bypass breaker

Solar system connection



15. Function switch (SW1-SW5)
16. FAN
17. BTS
18. AGS
19. AC input
20. AC output
21. Ground

Specification

| MODEL | | EP30-8KW | EP30-10KW | EP30-12KW |
|--------------------------------|------------------------------------|--|-----------|-----------|
| Nominal Battery System Voltage | | 48VDC | 48VDC | 48VDC |
| INVERTER OUTPUT | Continuous output power | 8.0KW | 10.0KW | 12.0KW |
| | Surge rating (20ms) | 24.0KW | 30.0KW | 36.0KW |
| | Capable Of Starting Electric Motor | 4HP | 5HP | 6HP |
| | Output waveform | Pure sine wave \ same as input (bypass mode) | | |
| | Inverter Efficiency(Peak) | >88% | | |
| | Line mode efficiency | >95% | | |
| | Power factor | 1.0 | | |
| | Nominal output voltage RMS | 220V \ 230V \ 240VAC(±10% RMS) | | |
| | Output frequency | 50Hz | | |
| | Short circuit protection | Yes (1sec after fault) | | |
| Typical transfer time | 10ms(max) | | | |
| AC INPUT | Voltage | 155-272VAC | | |
| | Selectable Voltage Range | 155-272VAC(For Personal Computers) | | |
| | Frequency Range | 50HZ/60HZ | | |
| BATTERY | Minimum start voltage | 40.0V±0.6 \ 42.0V±0.6 | | |
| | Low battery alarm | 41.5V±0.6 \ 43.5V±0.6 | | |
| | Low battery Cutoff | 40.0V±0.6 \ 42.0V±0.6 | | |
| | High voltage alarm | 62V±0.6 | | |
| | High battery voltage recover | 54V±0.6 | | |
| | Idle consumption-search mode | <35W when power saver on | | |
| CHARGER | Output voltage | Depends on battery type | | |
| | Charger AC input breaker rating | 80A | | |
| | Max charge power rate | 1/3 Rating power | | |
| | Overcharge protection S.D. | 62.8VDC | | |
| BTS | Maximum Charge Current | 70A | 80A | 100A |
| | Temperature rate @25°C | 4mv charging voltage descent, per 1°C rise | | |
| BYPASS & PROTECTION | Input voltage waveform | Sine wave (grid or generator) | | |
| | Nominal voltage | 220V \ 230V \ 240VAC | | |
| | Max input AC voltage | 300VAC for 230VAC HV mode | | |
| | Nominal input frequency | 50Hz or 60Hz | | |
| | Overload protection (SMPS load) | Circuit breaker | | |
| | Output short circuit protection | Circuit breaker | | |
| | Bypass breaker rating | 63A | | |
| MECHANICAL SPECIFICATIONS | Max bypass current | 63Amp | | |
| | Mounting | Wall mount | | |
| | Inverter dimensions (W*H*D) | 670*410*215mm | | |
| | Inverter weight (solar chg) KG | 67.5 | 74 | 74 |
| | Shipping dimensions(W*H*D) | 802*533*429.5mm | | |
| OTHER | Shipping weight (solar chg) KG | 87 | 93.5 | 93.5 |
| | Operation Temperature Range | 0°C to 40°C | | |
| OTHER | Storage Temperature | -15°C to 60°C | | |
| | Audible Noise | 60dB MAX | | |
| | Display | LED+LCD | | |
| | Loading(20GP/40GP/40HQ) | 200pcs \ 400pcs \ 500pcs | | |