

BRIGHT Series Hybrid Solar Inverter

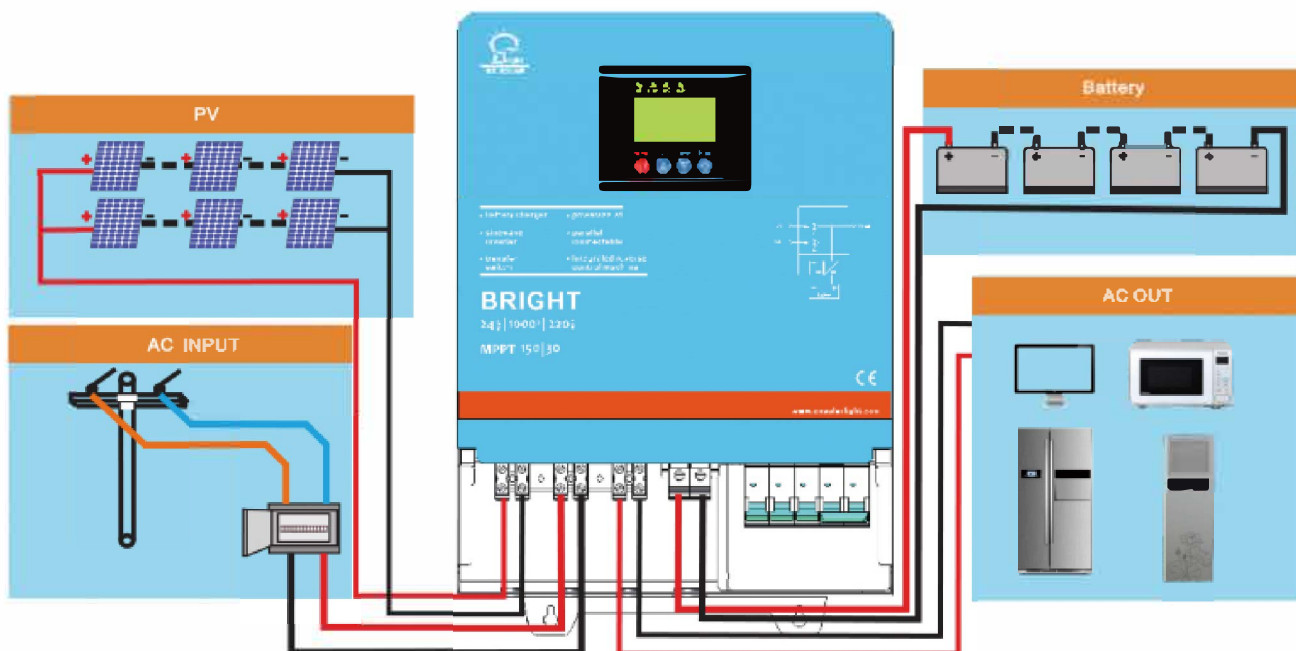


Main Features

- Double CPU intelligent control technology, performance excellence;
- The power mode / energy saving mode / battery mode can be set up, Flexible application;
- Smart fan control, safe and reliable;
- The pure sine wave output, can adapt to various types of load;
- Wide input voltage range, high-precision output automatic voltage function.
- The LCD real-time display device parameters, running status at a glance;
- The output overload, short circuit protection, automatic protection and alarm;
- The intelligent MPPT solar controller, overcharge, overdischarge protection, current limiting charging, multiple protection;
- Built-in GPRS\WIFI wireless network module, which can control working status remotely through mobile APP or computer (optional).

Product Overview

BRIGHT series hybrid solar inverter series with Double CPU intelligent control technology, MPPT controller and inverter integrated optimization solutions, is high efficiency pure sine wave inverter, to provide users the best performance. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications. It is widely applied to families, schools, streets, frontier, defense, pasturing areas, industrial equipment, satellite communication equipment, military, vehicle-borne equipment, ambulances, police cars, ships



Technical Indexes

| Model: MPPT | | 1KW | 2-6KW | | |
|---------------------------------|---|---|---|----------------|----------------|
| Power Rating | | 1000W | 2000W | 3000W 4000W | 5000W 6000W |
| Battery | rated voltage(VDC) | 12/24 | 12/24/48 | | |
| | Charge Current | 10A MAX | 30A MAX | | |
| | Battery Type | Can be set | | | |
| Input | Voltage Range | 85-138VAC/170-275VAC | | | |
| | frequency | 45-65Hz | | | |
| Output | Voltage Range | 110VAC/220VAC; ±5%(Inverter mode) | | | |
| | frequency | 50/60Hz±1%(Inverter mode) | | | |
| | Output wave | Pure Sine Wave | | | |
| | Change time | <10ms(Typical load) | | | |
| | Efficiency | > 85% (80% Resistive load) | | | |
| | overload | 110-120%/30S; > 160%/300ms; | | | |
| | Protection function | Battery over-voltage and low-voltage protection, overload protection, short circuit protection, over-temperature protection | | | |
| Solar Controller | MPPT Voltage Range | 12VDC:15V~150VDC;24VDC:30V~150VDC;48VDC:60V~150VDC | | | |
| | PV Power | 12VDC-30A(400W); 24VDC-30A(800W) | 12VDC-60A(800W); 24VDC-60A(1600W); 48VDC-60A(3200W) | | |
| | Rated charge current | 30A(Max) | 60A(Max) | | |
| | MPPT efficiency | ≥99% | | | |
| | Average charging voltage(lead acid battery) | 12V/14.2VDC;24V/28.4VDC;48V/56.8VDC | | | |
| | Floating charge voltage | 12V/13.75VDC;24V/27.5VDC;48V/55VDC | | | |
| Operating ambient temperature | | -15-+50℃ | | | |
| Storage ambient temperature | | -20 - +50℃ | | | |
| Operating / storage environment | | 0-90% No Condensation | | | |
| Dimensions:W * D * H (mm) | | 315*133*450 | 430*185*580 | | |
| Packing size: W * D * H (mm) | | 425*232*520 | 570*270*685 | | |

Note: We keep the right to change this user manual without any information