SHABANG
SOLAR

HFP SERIES

HYBRID SOLAR INVERTER

3.3 kW / 6.3 kW / 10.3 kW

Pure sine wave

WiFi

Two-way energy storage design

Configurable working mode

Support working without battery

RS485



Features

- Adopting high-frequency design, high power density, small size, and high overall efficiency;
- Bidirectional energy storage design, which can achieve bidirectional flow control of electrical energy, and both photovoltaic and mains electricity can be charged to the battery;
- Ultra wide MPPT range, with a minimum of 40Vdc(24V models) / 80Vdc (48V models);
- Capable of setting working modes (grid connected mode, off grid mode, hybrid mode);
- Equipped with grid connected current setting function;
- Equipped with output priority setting function;
- Equipped with charging priority setting function;
- Equipped with lithium battery BMS communication function;
- Support battery-less operation mode.

Solar-only operation

Runs on solar power alone when PV output is sufficient. Works without a battery or grid.

High-temperature operation

Rated for ambient temperatures up to 50 °C, with built-in overtemperature protection.

Lithium battery compatibility

Six selectable BMS communication protocols for compatible lithium batteries.

Connection Diagram

