



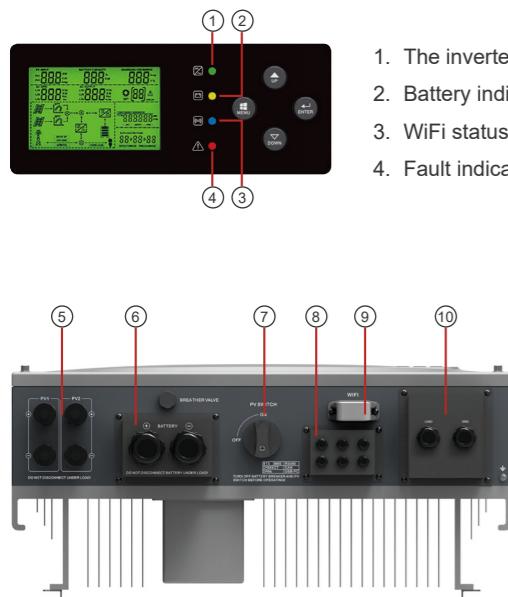
### Features

- Wide range of MPPT voltage:120-550V
- Multiple operation modes: Grid-tie, off grid and grid-tie with back up
- Support LCD display & Smart LCD setting
- Available Export control CT sensor function
- Multiple communications: USB, RS485, GPRS and WiFi etc
- Monitoring inverters freely via computers or mobile phones
- Full protection function: Over-voltage, over-frequency, over-current, over-temperature, and AC short-circuit automatic protection
- Intelligent BMS battery management function
- Fanless low-noise design
- IP65 Dust-proof and water-proof

### Introduction

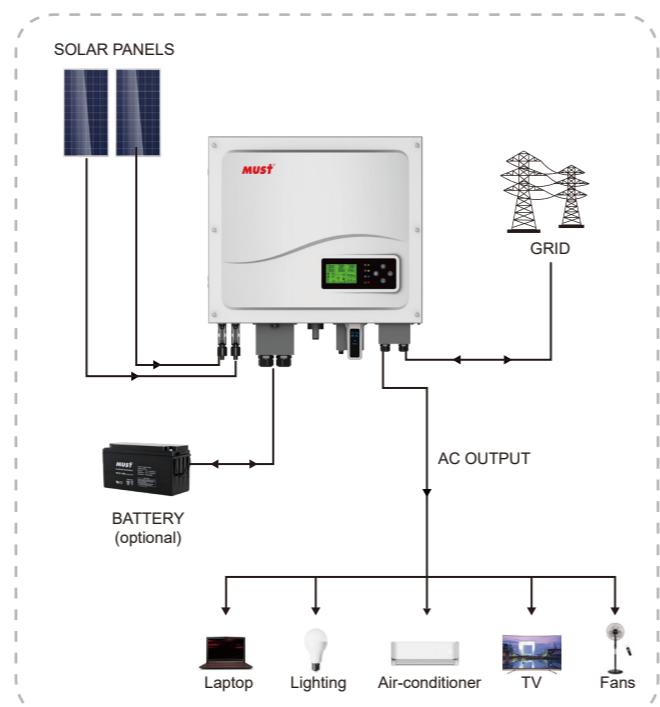
This is a flexible and intelligent energy storage solar inverter with a wide range of MPPT Voltage. Combining functions of off grid and on grid. This hybrid solar inverter can power all kinds of appliances in home or office, and can also be used in power stations.

### Back panel printing description



- The inverter operation status indicator
- Battery indicator
- WiFi status indicator
- Fault indicator
- PV input terminals
- Battery input terminals and cover
- PV input switch
- BTS terminals, BMS terminals, load monitor terminals, dry contact terminals, CAN communication terminals, USB terminal and cover
- Wi-Fi module
- AC output terminals and cover

### Solar system connection



### Specification

MODEL	PH10-5048PRO
RATED POWER(W)	5000
Nominal Battery System Voltage	48
PV INPUT(DC)	Maximum recommended DC power(W) Nominal DC operating voltage(V) Maximum DC voltage(V) MPPT voltage range(V) Maximum input current(A) Maximum short circuit current(A) No.of MPP tracker Strings per MPP tracker
INVERTER OUTPUT(AC)	Nominal AC output power(W) Nominal output voltage(V);range(V) AC grid frequency(Hz);range(Hz) Nominal output current(A) Maximum output current(A) Total harmonic distortion i(THDi) Power factor at rated power Displacement power factor
BATTERY MODE OUTPUT(AC)	Output Rated Power Nominal output voltage(V);accuracy range Output frequency(Hz);accuracy range Output rated current(A) Output waveform Total harmonic distortion v (linear load)
BATTERY & CHARGER	Battery type Battery voltage(V) Battery voltage range(V) Charging curve Over-current protection / Over-temperature protection Maximum charging/discharging power(W) Maximum charging/discharging current(A)
EFFICIENCY	Maximum efficiency Euro-efficiency MPPT efficiency
PROTECTION DEVICES	DC switch rating for each MPPT Grid monitoring Output over current protection Output overvoltage protection-varistor Ground fault monitoring Integrated all-pole sensitive leakage current
GENERAL	Dimension(W/H/D)(mm) Net weight (kg) DC connection AC connection Display Communication interfaces Ingress protection rating Humidity Operating temperature range Cooling concept Altitude

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