

MU1000 PRO

Series

ON/OFF Grid High frequency Hybrid Sol



Product

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

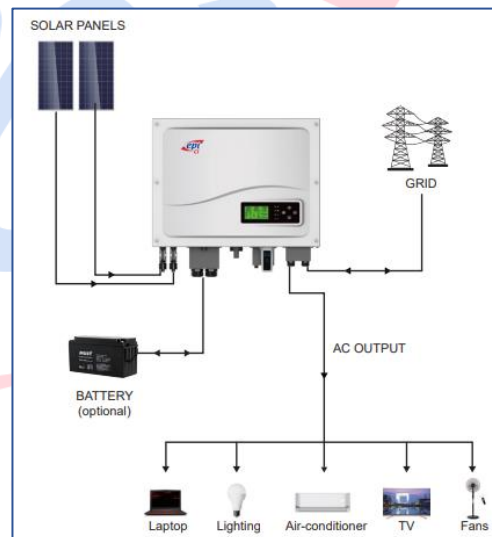


1. The inverter operation status indicator
2. Battery indicator
3. WiFi status indicator
4. Fault indicator



5. PV input terminals
6. Battery input terminals and cover
7. PV input switch
8. BTS terminals, BMS terminals, load monitor terminals, dry contact terminals, CAN communication terminals, USB terminal and cover
9. Wi-Fi commodule
10. AC output terminals and cover

Solar system connection



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

Model	MU10-5043PRO
RATED POWER(W)	5000
Nominal Battery System Voltage	48
PV Input (DC)	
Maximum recommended DC power(W)	7000
Nominal DC operating voltage(V)	360
Maximum DC voltage(V)	550
MPPT voltage range(V)	120~550
Maximum input current(A)	13 / 13
Maximum short circuit current(A)	15 / 15
No. of MPP tracker	2
Strings per MPP tracker	1
Inverter Output (AC)	
Nominal AC output power(W)	5000
Nominal output voltage(V); range(V)	220/230/240;180-280
AC grid frequency (Hz); range (Hz)	50/60;45~55/55-65
Nominal output current(A)	21.8
Maximum output current(A)	22.8
Total harmonic distortion i(THDi)	<3%
Power factor at rated power	1
Displacement power factor	0.8leading ~ 0.8lagging
Battery Mode Output (AC)	
Output Rated Power	3680
Nominal output voltage(V); accuracy range	230±1%
Output frequency(Hz);accuracy range	50/60(optional)±0.2%
Output rated current(A)	15
Output waveform	Pure sine wave
Total harmonic distortion v (linear load)	<3%
Battery and Charger	
Battery type	Lead-acid battery / Lithium battery
Battery voltage(V)	48
Battery voltage range(V)	40~60
Charging curve	3-stage adaptive with maintenance
Over-current protection / Over-temperature protection	Yes / Yes
Maximum charging/discharging power(W)	4000
Maximum charging/discharging current(A)	80 / 80
Efficiency	
Maximum efficiency	97.3%
Euro-efficiency	96.8%
MPPT efficiency	99.9%
Protection	
DC switch rating for each MPPT	Yes
Grid monitoring	Yes
Output over current protection	Yes
Output overvoltage protection-varistor	Yes
Ground fault monitoring	Yes
Integrated all-pole sensitive leakage current	Yes
General	
Dimension(W/H/D)(mm)	480*420*215
Net weight (kg)	27
DC connection	H4 / MC4
AC connection	Terminal Block
Display	LED+LCD
Communication interfaces	Wi-Fi / USB / GPRS / RS485
Ingress protection rating	IP65
Humidity	0~95% RH(No condensing)
Operating temperature range	-20°C +60°C With derating above 45°C
Cooling concept	Natural
Altitude	<3000m