

400V 3P HYBRID
SOLAR INVERTER

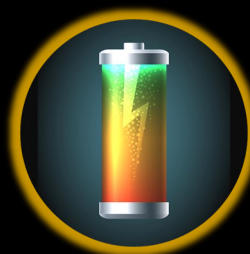


EXPAND UP TO
120KW



2X DUAL AC INPUT

Grid + Generator input fulfills redundant backup power supply. Users can control genset function easily from LCD setting



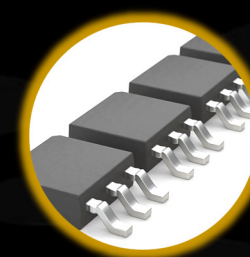
WIDE DC DESIGN

This 30KW inverter supports a wide DC voltage setting range from 500V to 900VDC, useful for special high voltage energy applications



BMS COMMUNICATION

RS485 or CAN BMS communication possible via built-in data port, supporting REPT and MPP Solar's own BMS protocols².



3RD GEN SiC MOSFET

Designed with 3rd generation SiC (Silicon Carbide) MOSFET to deliver exceptional performance, reliability, and efficiency.

MPI 30KW WP

1. certain restrictions apply: do not install units on sites where there is direct exposure to sunlight, rain, snow, >95% humidity, near antenna or at altitude >2km above sea level.
2. MPP Solar BMS protocols available upon request (LIB setting).

Enabling Grid Relay Feature

this feature can only be activated under OFF-GRID I and II mode

Q. What is "Grid Relay" ?

When this feature is enabled and grid is available, the inverter can support load more than its designed maximum output rating (30kw), by combining power supplied from grid or generator source, and reach up to **34kw** max. This function can only be enabled when selecting **Off-Grid I or II mode** and under these modes, grid-injection is disabled.

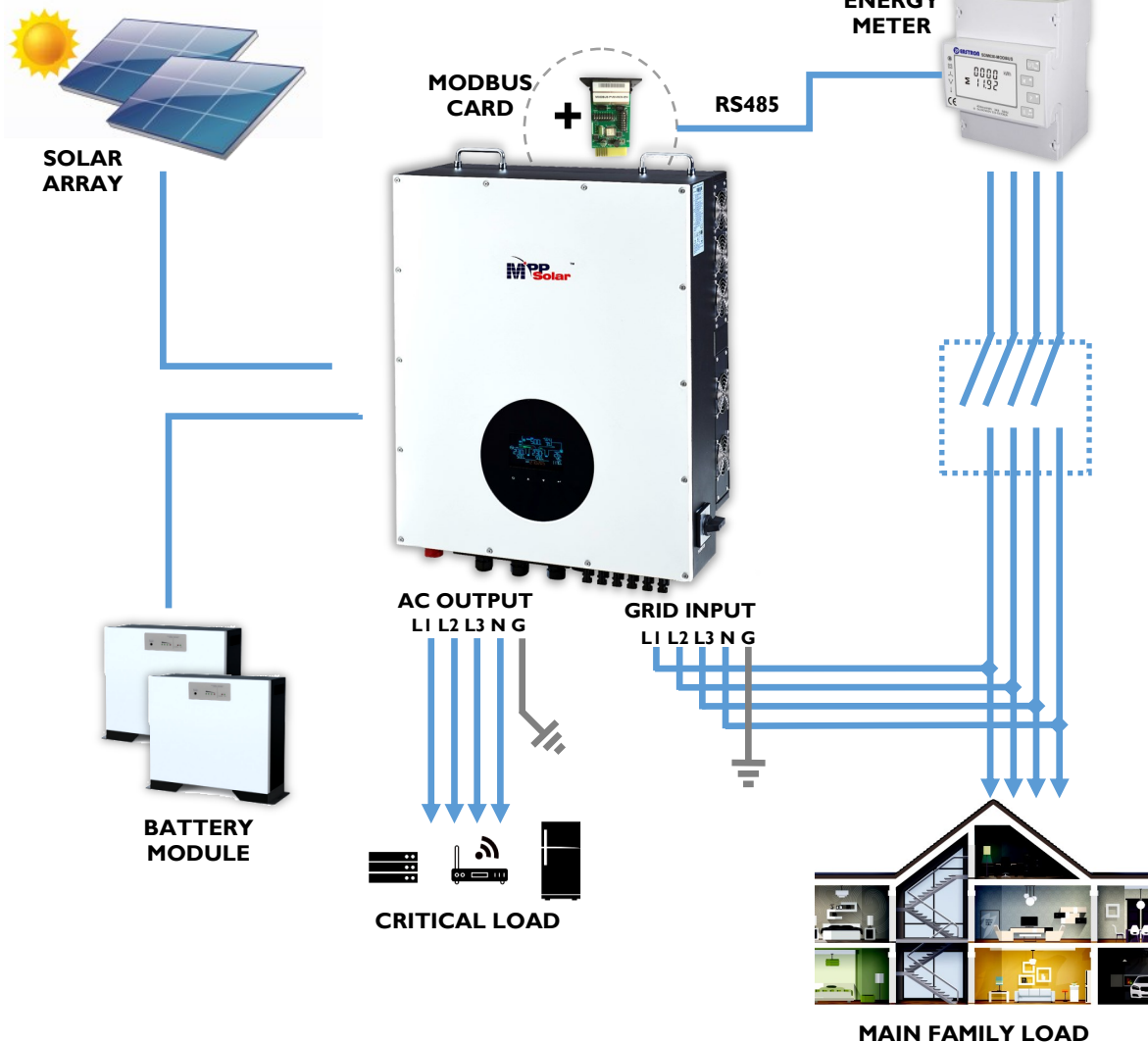


Energy Meter Application

this application is available only under Grid-Tie with Backup II mode

Q. What does "Energy Meter" do ?

In addition to monitoring power flow to and from grid, it can also monitor any "family load" present at the AC network and adjust grid injection power (program in SolarPower) accordingly. This accessory is necessary for users who wish to achieve fulfill zero grid injection

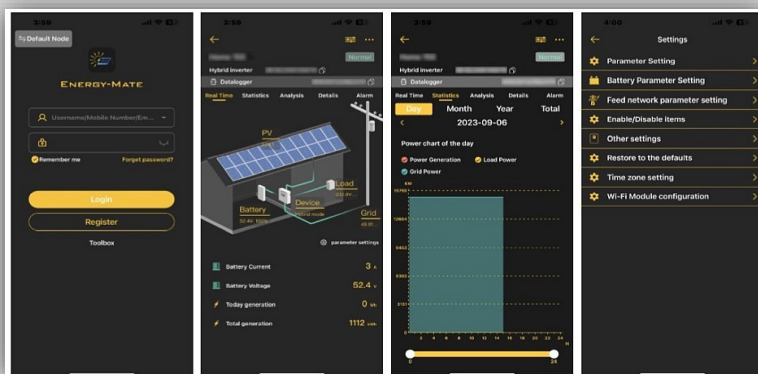


400V 3P HYBRID SOLAR INVERTER



Available on
Apple Store &
Google Play

ENERGY MATE APP



MPI HYBRID WP SERIES

MPI 30KW WP

Rated Power

Max Continuous Output 30,000W

Parallel-Ready **Up to 4 units max**

PV Input Rating (GRID-TIE)

Max PV Input Power 40,000W

Max PV Input Voltage 1,000V

PV MPPT Range 350 - 900 Vdc

Max PV Input Current 26A each

MPPT Tracker 3

AC Input

Input Voltage Range 170 - 290Vac (per phase)

Nominal Frequency 50 / 60 Hz auto-sensing

Max AC Input Current 50A (per phase)

AC Output

Nominal AC Output Voltage 230VAC (P-N) / 400VAC (P-P)

Output Voltage Range 184 - 265Vac per phase

Output Frequency (GRID-TIE) 47.5 - 51.5Hz / 59.3 - 60.5 Hz

Output Frequency (OFF-GRID) 50 / 60Hz, auto-sensing

Output Waveform Pure Sine Wave

Max Output Power (grid relay enabled)* 34,000W

Max Output Power (battery mode) 30,000W

Max Efficiency 96.5%

Battery Charger

Charging Voltage Range 500 - 900V

Nominal DC Voltage 614.4VDC

Max Charging Current 50A

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Ingress Protection Rating **IP65**

Communication Port RS232 / USB / BMS / WIFI / Dry Contact / Intelligent Slot

Certifications VDE, NRS, CE / EN 62109, 62477, 62920

Operating Temp. -25 to 50°C

Operating Humidity 0 - 90% RH (No condensing)

Operating Altitude max 1000m (power derating 1% per 100m beyond 1000m)

Dimension 750 x 660 x 255mm

Net Weight 73kg

*under Off-Grid I and II only. Specification subject to change without prior notice.