



US VOLTAGE

off grid solar system

5KW off-grid solar system with 3-phase inverter for reliable home power, battery storage, energy independence. Ideal for remote residential applications.

MT-5KW-OFF

OFF
GRID

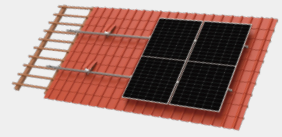
Solar System Kit



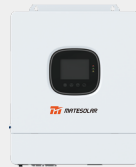
WOODEN BOX



solar panel



Mounting Bracket



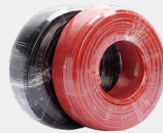
solar inverter



Lithium Battery



Wifi Monitor



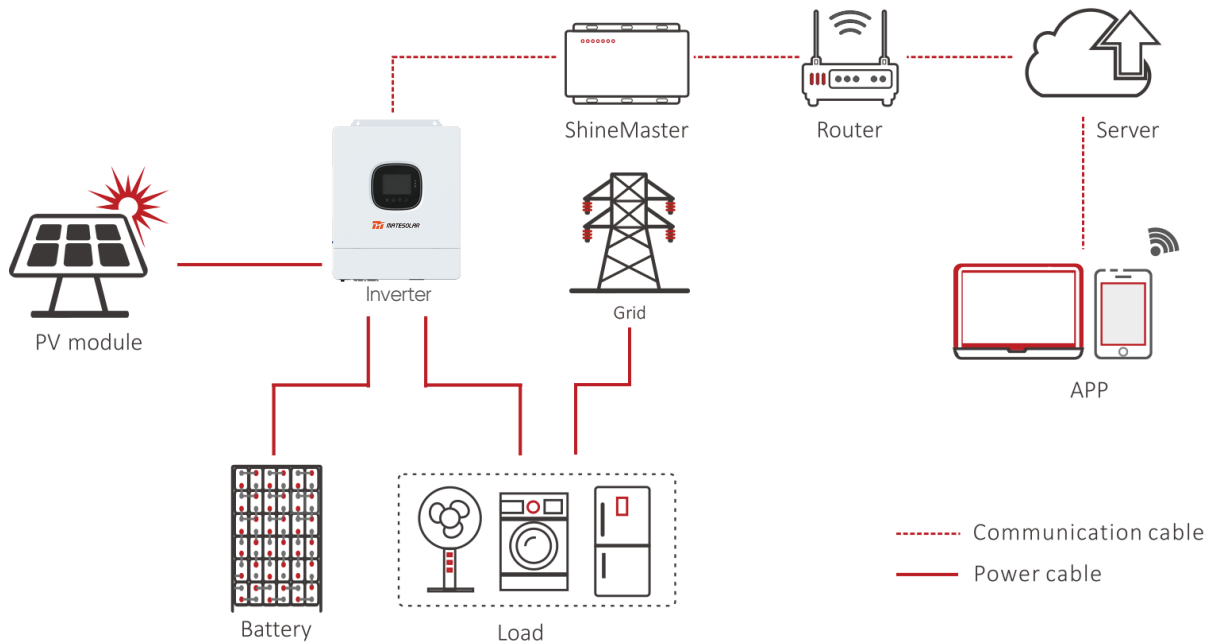
PV Cable



MC4 Connector



AC/DC Switch(Optional)



PV Modules

Parameter

Testing Condition	STC
Maximum Power(Pmax/W)	560W
Open Circuit Voltage(Voc/V)	49.84
Short Circuit Current(Isc/A)	14.14
Voltage at Maximum Power(Vmp/V)	41.08
Current at Maximum Power(Imp/A)	13.64
Module Efficiency(%)	21.67

Positive power tolerance (0~+5W) guaranteed; Reduced resistive loss with lower operating current; Higher energy yield with lower operating current; Reduced hot spot risk with optimized electrical design and lower operating current



560W

Mono-crystalline Silicon Solar Panel

Lithium battery

Parameter

Nominal Capacity	200Ah
Nominal Voltage	48V
Max.Charging Current	100A
Max.Discharging Current	100A

High Specific Energy; Support Parallel Operation; Easy Installation; Long Cycle Life



48V 200Ah

Rack-Mounted LiFePO4 Battery

Inverter

Parameter

Rated Output Power	5000W
Rated Output Voltage/Frequency	120Vac, 50Hz/60Hz
No. of MPPT	1
MPPT Voltage Range	120~450Vdc
Battery Type	Lead-acid/Li-ion/User defined
Rated Battery Voltage	40~60Vdc

Advanced MPPT with up to 99.9% efficiency;
Up to 6 units in parallel connection;
Easy to install and simple to use;
Supports Li-ion battery BMS communication



SYP-5K-U

Inverter

