



US VOLTAGE

Hybrid solar system

Three-phase 12kW hybrid solar system with weatherproof panels, intelligent inverter, battery backup, easy to install, eligible for government grants.

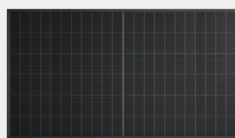
MT-12KW2-HY

HYBRID

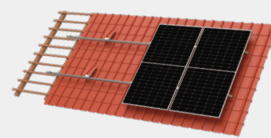
Solar System Kit



WOODEN BOX



solar panel



Mounting Bracket



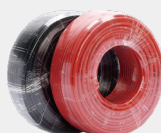
solar inverter



Lithium Battery



Wifi Monitor



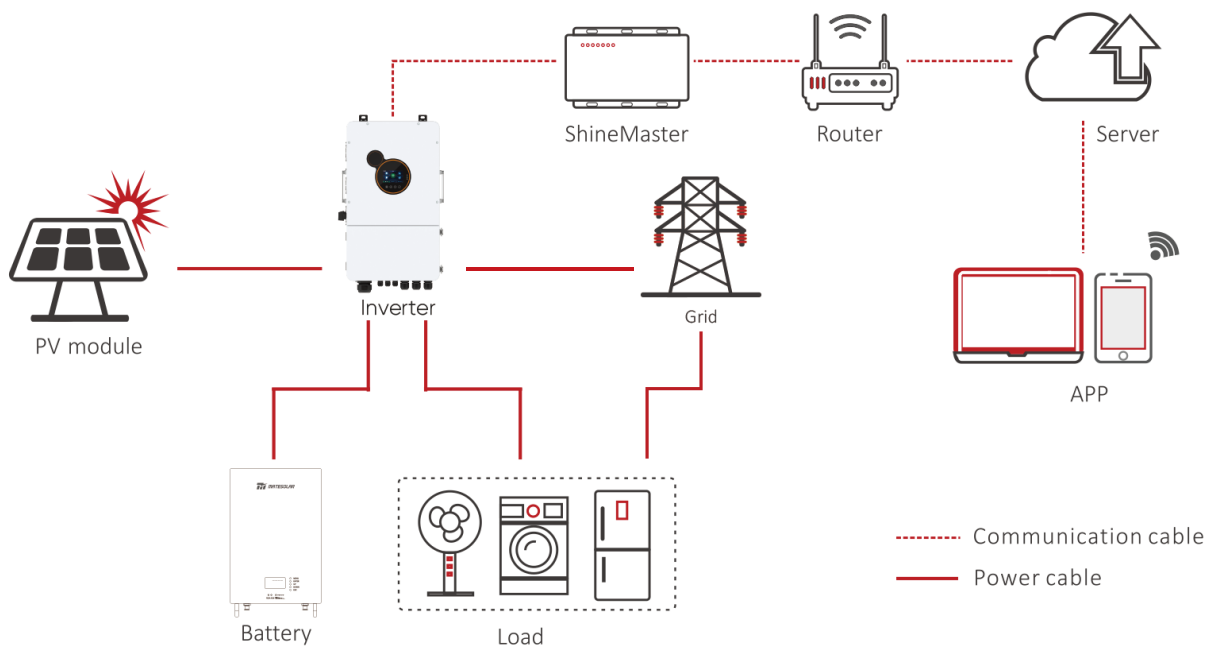
PV Cable



MC4 Connector



AC/DC Switch(Optional)

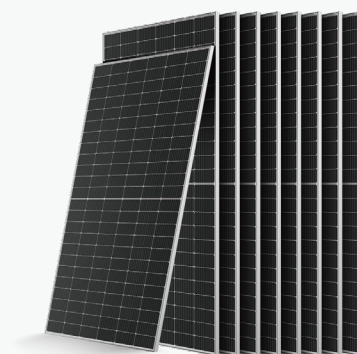


PV Modules

Parameter

Testing Condition	STC
Maximum Power(Pmax/W)	620W
Open Circuit Voltage(Voc/V)	49.55
Short Circuit Current(Isc/A)	15.93
Voltage at Maximum Power(Vmp/V)	41.06
Current at Maximum Power(Imp/A)	15.10
Module Efficiency(%)	22.95

Adopting the 182*210mm N-Type TOPCon cells with the highest efficiency; Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV; Ensure the attenuation probability caused by PID phenomenon is minimized; Strict salt spray and ammonia corrosion test by TUV



620W

TOPCon Bifacial Dual Glass 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

Inverter Output

Rated Output Power	12000W
Rated Output Voltage	120/240Vac, single-phase / split-phase / three-phase(parallel)
Rated AC Frequency	50/60Hz

Battery

Battery Type	Lead-acid / Li-ion / User-defined
Battery Voltage Range(V)	48V

PV Input

Num. of MPPT	2
MPPT Operating Voltage Range	125~425Vdc

General

Num. of Parallel	1~6 units
Dimensions	750*440*240mm (2.46*1.44*0.79ft)
Weight	42kg (92.59lb)
Warranty	5 years

Colorful touch LCD, IP65 protection degree; AC couple to retrofit existing solar system; 6 time periods for battery charging/discharging; Support storing energy from diesel generator



SEI-12K-UP

Inverter

