



US VOLTAGE

Hybrid solar system

Three-phase 50kW hybrid solar system with weatherproof panels, intelligent inverter, battery backup, easy to install, eligible for government grants.

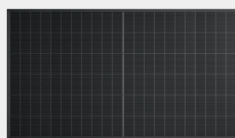
MT-50KW3-HY

HYBRID

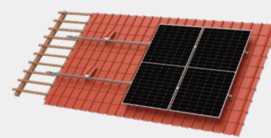
Solar System Kit



WOODEN BOX



solar panel



Mounting Bracket



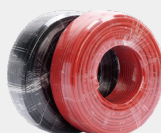
solar inverter



Lithium Battery



Wifi Monitor



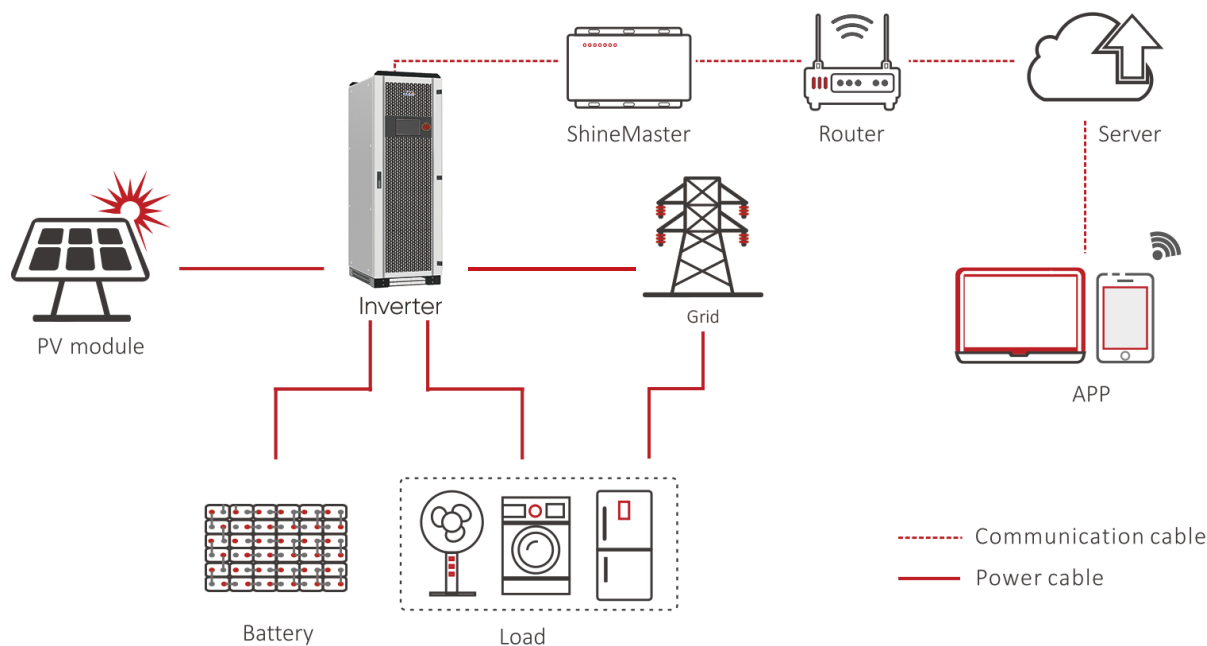
PV Cable



MC4 Connector



AC/DC Switch(Optional)

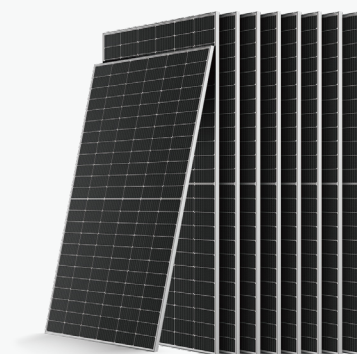


PV Modules

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(Impp/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	280Ah
Nominal Voltage	716.8V
Max.Charging Current	140A
Max.Discharging Current	140A

Quick Customization of Electricity; Easy Installation Flexible Expansion; Emergency-Backup and Off-Grid Functionality; Safety first Smart BMS system



716.8V 280Ah

Rack-Mounted
LiFePO4 Battery

Inverter

Parameter

Model	MPS0050
Dimension W*D*H (mm)	800*800*1,900
AC(on-grid)	
Rated power	50kW
Rated voltage	208V High-legDelta with split phase(Opt)
Rated current	139A
Rated frequency	50/60Hz
THDi	<3%
Power factor	1lagging-1leading(Settable)
AC connection	3W/N/PE / 3W/N/PE Delta(Opt)
AC(off-grid)	
Rated power	50kW
Rated voltage	208V High-legDelta with split phase(Opt)
Rated current	139A
THDU	≤1% linear; or≤5% nonlinear
Overload capability	110% long-term
PV	
MAX PV power	60/120kW
MPPT voltage range	320~850V
Battery	
Battery voltage range	320~850V

Various working modes can be set flexibly; Seamless transfer between on and off grid; Perfect protection function to protect inverters and batteries; Integrated design to support loads, batteries, power grids, diesel generators and PV be connected.



MPS0050
Inverter

