



US VOLTAGE

Hybrid solar system

Three-phase 100kW hybrid solar system with weatherproof panels, intelligent inverter, battery backup, easy to install, eligible for government grants.

MT-100KW-HY

HYBRID

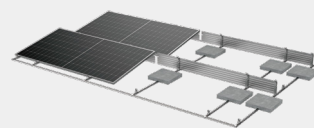
Solar System Kit



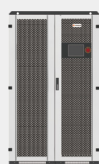
WOODEN BOX



solar panel



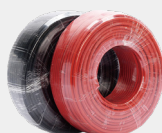
Mounting Bracket



solar inverter



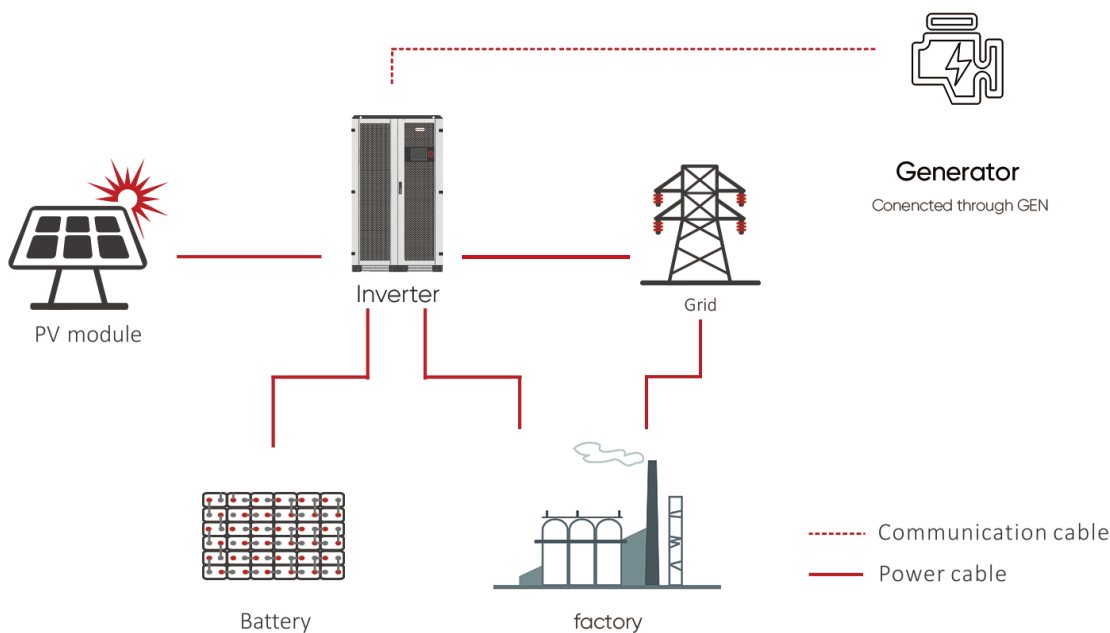
Lithium Battery



PV Cable



MC4 Connector

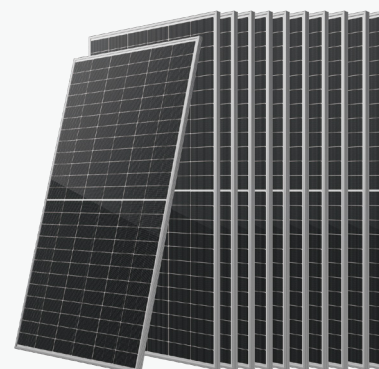


PV Modules

Parameter

Testing Condition	STC
Maximum Power(Pmax/W)	595W
Open Circuit Voltage(Voc/V)	52.79
Short Circuit Current(Isc/A)	14.19
Voltage at Maximum Power(Vmp/V)	43.88
Current at Maximum Power(Imp/A)	13.56
Module Efficiency(%)	23.02

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



595W

TOPCon Bifacial Dual Glass Solar Panel

Lithium Battery

Parameter

Nominal Capacity	280Ah
Nominal Voltage	250-850V
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	MPS0100
Dimension W*D*H (mm)	1,200*800*2,050
AC(on-grid)	
Rated power	100kW
Rated voltage	400 High-leg Delta with split phas
Rated current	144A
Rated frequency	50/60Hz
THDi	<3%
Power factor	1lagging-1leading(Settable)
AC connection	3W+N+PE
AC(off-grid)	
Rated power	100kW
Rated voltage	400 High-leg Delta with split phase
Rated current	144A
THDU	≤1% linear; or≤5% nonlinear
Overload capability	110% long-term
PV	
MAX PV power	120/180/240kW
MPPT voltage range	250-850V
Battery	
Battery voltage range	420-850V

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.



MPS0100
Inverter

