



EU VOLTAGE

Hybrid solar system

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

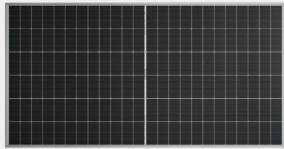
MT-50KW2-HY

HYBRID

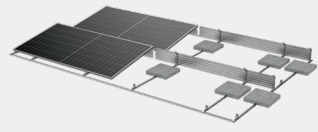
Solar System Kit



WOODEN BOX



solar panel



Mounting Bracket



solar inverter



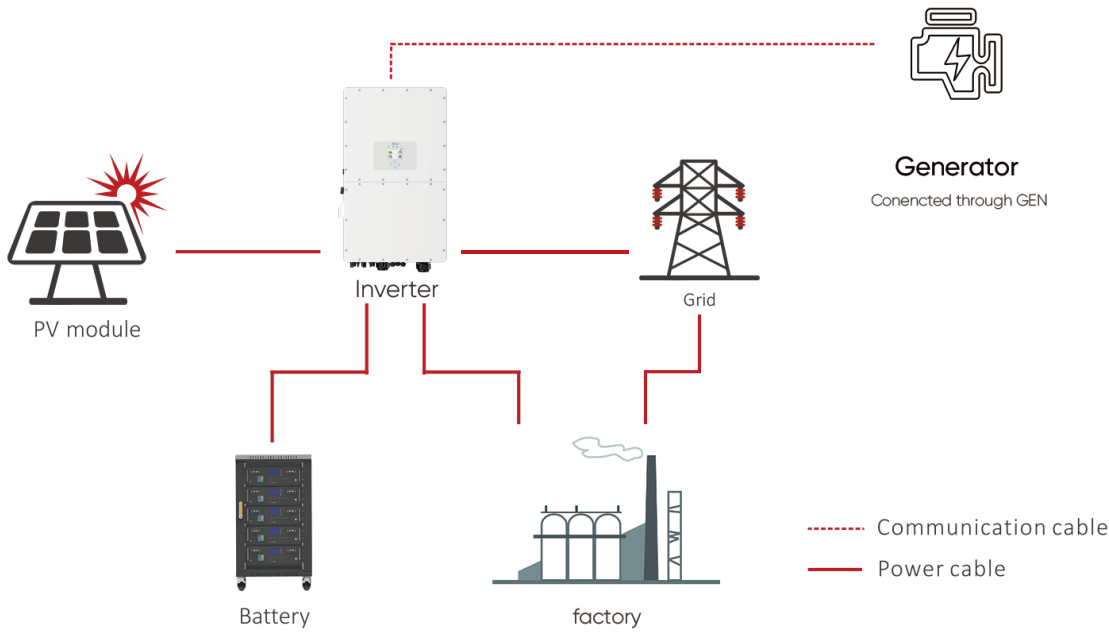
Lithium Battery



PV Cable



MC4 Connector

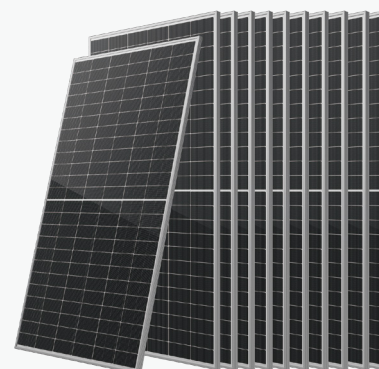


PV Modules

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	100Ah
Nominal Voltage	204.8~510V
Max.Charging Current	100A
Max.Discharging Current	100A

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



**204.8-510V
100Ah**

Rack-Mounted
LiFePO4 Battery

Inverter

Parameter

AC Output Data

Rated Output Power	50000W
Rated Output Voltage	230/400V 0.85Un-1.1Un
Rated Output Grid Frequency	45-55, 60

Battery Input Data

Battery Type	Lithium-ion
Battery Voltage Range(V)	160-800

PV String Input Data

No.of MPP Trackers	4
No.of Strings per MPP Tracker	2+2+2+2
MPPT Voltage Range(V)	150-850

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



**Deye 50KW
Inverter**

