



Highlights



Efficient Power Generation

Generates 200-300kWh daily with 102.4kWh night backup, ensuring stable 24/7 power supply.



High-Performance Components

Equipped with 590Wp solar panels, dual MPPT, and conversion efficiency up to 97.6%.



Flexible Operation

Supports off-grid/on-grid modes and can intelligently control diesel generators.



Durable Design

Withstands -40°C to 90°C environments, TUV certified, and easy to install and maintain.

Model	Description	Quantity	Picture
EU 50kW Hybrid Inverter (Wifi Included)	MPPT Voltage: 150-850V; 4 Mppts Batteries: 160-800V, 50/50A; AC Side: Rated Power 50000W, Voltage 220/380V, 230/400V; 50Hz/60Hz; 3L/N/PE; Max Efficiency: 97.6% CE/IEC Certificates	1	
Solar Module UE-590M-72HBD	Maxium power: 590Wp Technology: N-type Topcon, Bi-facial Net Weight: 31.5KG Size: 2279*1134*30mm	90	
HV Lithium Battery (Cable included)	Battery cell: 3.2V/100AH; Battery module: 51.2V/100AH@5.12kWh, 1*16 cell; Battery Cluster: 512V/100AH@51.2kWh, 10*modules in series + 1*HV box Voltage Range: 448V - 576V CE IEC Certificates	2	
Mounting Brackets	Alluminum Alloy Mounting Bracket for Solar Panels Above Roof Installation All Accessories Included CE IEC Certificates	1	
Other Accessories (Optional)	AC Distributor Box PV Cable(DC) MC4 Connector Installation Tools	/	

50kW EU Three-Phase Hybrid System Illustration

