



Highlights



Efficient Power Generation

Generates 32-48kWh daily with 14.4kWh 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
UL 8kW Split Phase Hybrid Inverter (Wifi Included)	MPPT Voltage: 150-425V; 2 Mppts Batteries40-60V, 190/190A; AC Side: Rated Power 8000W, Voltage 120/240V; 208V; 60Hz; 2L/N/PE; Max Efficiency: 97.6%	1	
Solar Module UE-590M-72HBD	Maxium power: 590Wp Technology: N-type Topcon, Bi-facial Net Weight: 31.5KG Size: 2279*1134*30mm	14	
LV Lithium Battery (Parallel Cable included)	Wall-mounted Battery Module: 48V * 100Ah, 15 * Battery Cell 3.2V 100Ah Size(L*W*H): 620*485*226mm, Weight: 62Kg CE IEC Certificates	3	
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 DC Battery Commbiner Box PV Cable(DC) MC4 Connector Installation Tools	/	

8kW UL Split-Phase Hybrid System Illustration

