



Highlights



Efficient Power Generation

Generates 216-324kWh daily with 96kWh night backup, ensuring stable 24/7 power supply.



High-Performance Components

Equipped with 450Wp 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 48kW Phase Hybrid Inverter (Wifi Included)	MPPT range: 125-425V, MPPT qty & Power: 2 * 5500W Batteries: 48Vdc, 40-60Vdc, AC Side: Rated Power 8000W, 220Vac, 50Hz/60Hz Parallel: Support; Parallel to be three phase: Support;	6	
Solar Module UE-450M-54HBD	Maxium power: 450Wp Technology: N-type Topcon, Bi-facial Net Weight: 23.5KG Size: 1722*1134*30mm	120	
LV Lithium Battery (Parallel Cable included)	Wall-mounted Battery Module: 48V * 200Ah, 15 * Battery Cell 3.2V 100Ah Size(L*W*H): 680*485*226mm, Weight: 96Kg CE IEC Certificates	10	
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	/	

48kW UL Three-Phase Hybrid System Illustration

