



UEC-48kW-100kWh

Highlights



High efficiency

Latest 450Wp Topcon Panel reach higher efficiency and 12 MPPTs to maximum the generation of PV arrays.



One-stop solution

UE will provide all components in one time, and completed guidance for installation/commissioning/operation&-maintenance.



Flexibility

The Battery clusters can be from 50kWh to 114kWh, to match the best configuration ratio; Maximum can reach 6 inverters in parallel.



Simple O&M

Hybrid inverter integrated the MPPT chargers/ Gen&Grid interface, All information is shown on the hybrid inverter.

Model	Description	Quantity	Picture
Solar Module UE-450T-54HBD	Maximum power: 450W Technology: N-type Topcon, Bifacial Net Weight: 23.5kg Size: 1722*1134*30mm	120	
US 8kW Split Phase Hybrid Inverter (WiFi Included)	PV side: MPPT Voltage range 150-425V; 2 Mppts Batteries40-60V, 190/190A; AC Side: Rated Power 8000W, Voltage 120/240V; 208V; 60Hz; 2L/N/PE or 3L/N/PE in parallel; Max Efficiency: 97.6%	6	
LV Lithium Battery (Parallel Cable included)	Wall-mounted Battery Module: 48V*200Ah, 15*Battery Cell 3.2V 200Ah CE IEC Certificates	10	
Mounting Brackets	Aluminum Alloy Mounting Bracket for Solar Panels Above Roof Installation All Accessories Included CE IEC Certificates	1	
Other Accessories (Optional)	AC Distribution Box DC Battery Combiner Box PV Cable(DC) MC4 Connector Installation Tools	/	

48kW US Three-Phase Hybrid System Illustration

