



UEI-500kW-1892kWh

Highlights



High efficiency & Flexibility

DC/DC MPPT device can be from 1*50kW - 12*50kW models, The Battery clusters can be from 157 kWh - 1892kWh, to match the best configuration ratio; Latest 720Wp Topcon Panel reach higher efficiency and 10 MPPTs to maximum the generation of PV arrays.



Safe and intelligent

Build-in transformer PCS inverter, ATS cabinet+EMS cabinet, Fire Extinguish System, Air conditioner, lights all included.



Pre-fabricated, Plug & Play

All are pre-fabricated and completed test in factory, just plug and play when installing.



One-stop solution

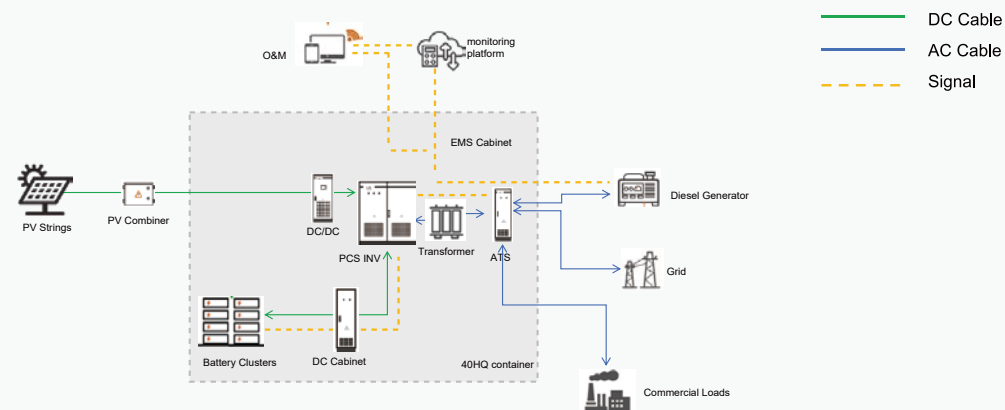
UE will provide all components in one time, and completed guidance for installation/commis-sioning/operation&maintenance.

500kW Three Phase System Illustration

 **2000-3000kWh PV Generation per Day**

 Inverter can power up to **550kVA** when grid is off

 **1892kWh** back-up for night or grid off



Model	Description	Quantity	Picture
Solar Module UE720 T-66HBD	Model: UE720 T-66HBD Power: 720W Technology: Topcon Size: 2384mm*1303mm*33mm Weight: 37.5kg Voc 49V, Isc 18.65A Vmp 41V, Imp 17.56A Efficiency 23.18%	720 pcs, 18 pcs/string, 40 strings	
PV Combiner box	PV String Combiner Box 5 in 1 out, with fuses, output switch, with SPD. IP65 protection.	10	
EU 500kW Hybrid Inverter	1. PV Side: MPPT Range: 250-850V; 10 Mppts, 1 inputs per Mppt; 2. Battery Side: Voltage Range: 420-850V; 3. AC Side: Rated Power 500 kW, Max 550kVA; Voltage 230/400V three phase; Frequency 50Hz/60Hz; 3*L/N/PE; 4. Protection Level: IP20 5. With isolated transformer; 6. With ATS cabinet to switch hybrid/off-grid;	1	
HV Lithium Battery	Battery cell: 3.2V/280Ah; Battery module: 51.2V/280Ah@14.336kWh, 1*16 cell; Battery Cluster: 563.2V/280Ah@157.696kWh, 11*modules in series + 1*HV box Voltage Range: 492.8V - 633.6V CE IEC Certificates	12	
Battery Combiner Cabinet	Battery Cluster Combiner Cabinet 12 in 1 out, input breaker and output switch, with SPD.	1	
Ground Mounting Structure	Ground-mounting System for PV panels above; All Accessories Included; CE IEC Certificates	1	
EMS Cabinet (optional)	Controller + Software, input module and output module, 8*GE Switch, UPS 1kVA*60min, screen, etc.	1	
Other Accessories (Optional)	AC Distribution Box DC Battery Combiner Box PV Cable(DC) MC4 Connector Installation Tools	/	
Container	40HQ Container; Cable, Lighting, Ventilation; Fire Extinguish System; 2 * 20kW Air Conditioner;	/	

