

# UEI-250kW-631kWh

## Highlights



### High efficiency

Latest 720Wp Topcon Panel reach higher efficiency and 5 MPPTs to maximum the generation of PV arrays;



### Safe and intelligent

Build-in transformer PCS inverter, ATS cabinet + EMS cabinet, achieve high security and automatic control from hybrid to off-grid, automatic control the diesel generator;



### Flexibility

DC/DC MPPT device can be from 1\*50kW - 6\*50kW models, The Battery clusters can be from 157 kWh - 1892kWh, to match the best configuration ratio;

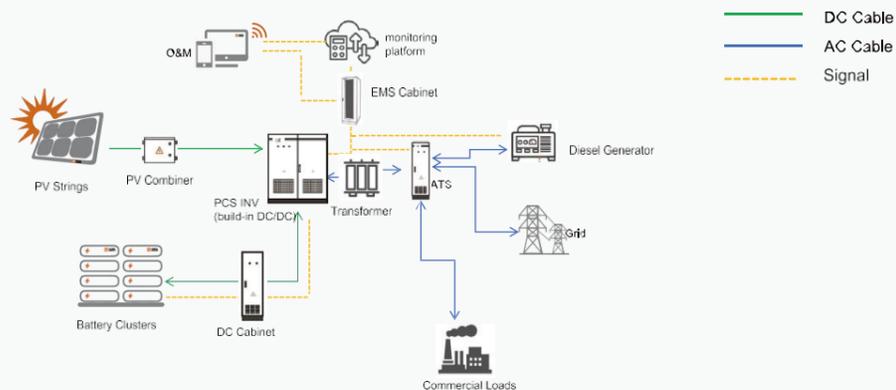


### One-stop solution

We will provide all components in one time, and completed guidance for installation/commissioning/operation&maintenance;

## 250kW Three Phase System Illustration

- 1037-1555kWh PV Generation per Day
- Max AC Power 275kVA
- 631kWh back-up for night or grid off



— DC Cable  
— AC Cable  
- - - Signal

Model	Description	Quantity	Picture
Solar Module UE720 T-66HBD	Model: UE720 T-66HBD Power: 720W Technology: Topcon Size: 2384mm*1303mm*33mm Weight: 37.5kg Efficiency 23.26%	360 pcs, 18 pcs/string, 20 strings	
PV Combiner box	PV String Combiner Box 5 in 1out, with fuses, output switch, with SPD. IP65 protection.	5	
US 250kW Hybrid Inverter	1. PV Side: MPPT Range: 250-850V; 5 Mppts, 1 inputs per Mppt; 2. Battery Side: Voltage Range: 420-850V; 3. AC Side:Rated Power 250 kW, Max 275kVA; Voltage 277/480V 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; CE/IEC Certificates	1	
HV Lithium Battery (Battery Cables, Rack included)	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	4	
Battery Combiner Cabinet	Battery Cluster Combiner Cabinet 4in 1out, input breaker and output switch, with SPD.	1	
Ground Mounting Structure	Ground-mounting System for 360pcs *720Wp; 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)	Cable; Connectors, Tools, etc.	1 Set	