



UEI-1.2MW-2.5MWh

Highlights



High efficiency & Flexibility

PV on-grid inverter with 48 Mppts to increase the PV generation; AC coupled solution easily increase PV volume or Battery volume separately.



Pre-fabricated, Plug & Play

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



Safe and intelligent

With EMS cabinet, easily control the PCS inverter and PV on-grid inverters; Modularization Design, one inverter failure will not affect the whole system.



One-stop solution

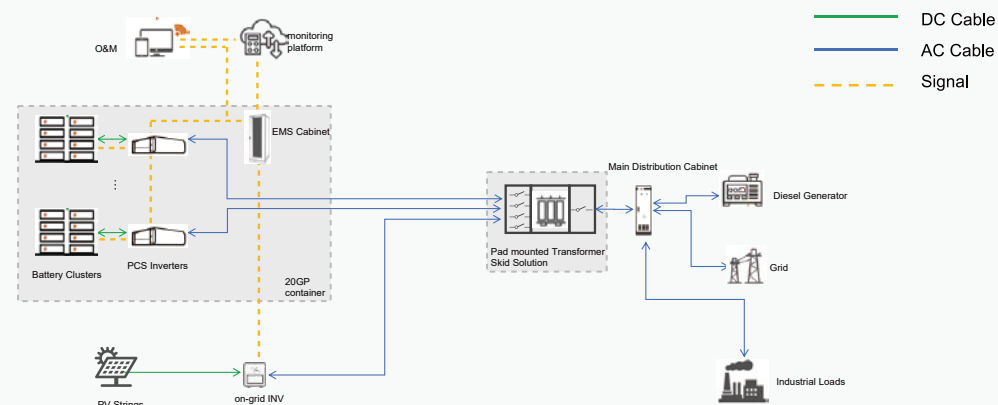
UE will provide all components in one time, and completed guidance for installation/commissioning/operation&maintenance.

1.2MW Three Phase System Illustration

4800-7200kWh PV Generation per Day

Inverter can power up to **1200kVA** when grid is off

2500kWh 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%	1664 pcs, 26 pcs/string, 64 strings	
PV Inverter	1. Rated power: 275kW 2. PV side: 1500Vdc, 12 MPPTs, 24 inputs 3. AC side: Voltage L-L 800V ; 50Hz/60Hz; 3*L + PE; 4. Efficiency: Max 99%, CEC 98.5%; 5. Air cooling; 6. Size: 690mm * 1050mm * 400mm, 119kg; UL 1741. IEEE 1547, CSA-22.2	4	
PCS Inverter	1. Rated power: 200kW; 2. Battery Side: Input range 875-1500V, Max 218A, 207kW; 3. AC Side: Voltage L-L 800V ; 50Hz/60Hz; 3*L + PE; 4. Efficiency: Max 98%, CEC 97%; 5. Air cooling;	6	
HV Lithium Battery	2.508MWh Battery Bank 0.5C Battery System: 418kWh *6 clusters Battery cluster: 418kWh@1331.2V*314Ah, consist of 8pcs battery module Battery Module: 52pcs* 3.2V/314AH battery cells with three-level BMS (ESMU/BCMU/BMU); with battery bracket, DC cables, communication cable; IEC62619/CE/UN38.3;	1	
Container	20GP Battery container IP54; Including fire extinguishing system; Liquid cooling system 40kW; Lighting, ventilation, power supply, etc;	1	
EMS Cabinet (optional)	Controller + Software, input module and output module, 8*GE Switch, UPS 1kVA*60min, screen, etc.	1	
Ground Mounting Structure	Ground-mounting System for PV panels above; All Accessories Included; CE IEC Certificates	1	
Other Accessories (Optional)	PV Cable(DC) MC4 Connector Installation Tools	/	

