



UEI-BESS-2.5MW-5MWh

Highlights



High Energy Density and Ready for PV expansion
Up to 5MWh for wind-cooling container ESS system; Easily to increase PV system.



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



Safe and intelligent
Completed protection for medium voltage connection; with EMS cabinet, can reach multi-parallel connection.



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

Model	Description	Quantity	Picture
2.5MW Energy storage converter & Step-up transformer	1.1 Energy storage converter (PCS)1250 (900-1350Vdc)*2 1.2 2500kVA transformer (transformer + cooling fan) 1.3 High voltage Cabinet 1.4 Power distribution room (transformer + box transformer measurement and control three-in-one) 1.5 Local communication cabinet (data acquisition device + interface module + switch + UPS) 1.6 All-in-one prefabricated cabin 20GP Container + fire protection	1	
5.017MWh Energy storage battery container	2.1 40HQ Battery container IP54 2.2 Battery compartment (battery cluster 1280V 280Ah, 358.4kWh*14); 2.3 DC combiner cabinet 8 input 1 output * 2; 2.4 Air conditioner 40kW*2 2.5 Prefabricated cabin 40HQ container + fire protection, Including lighting, ventilation, power supply, etc	1	



2.5MW Three Phase System Illustration

