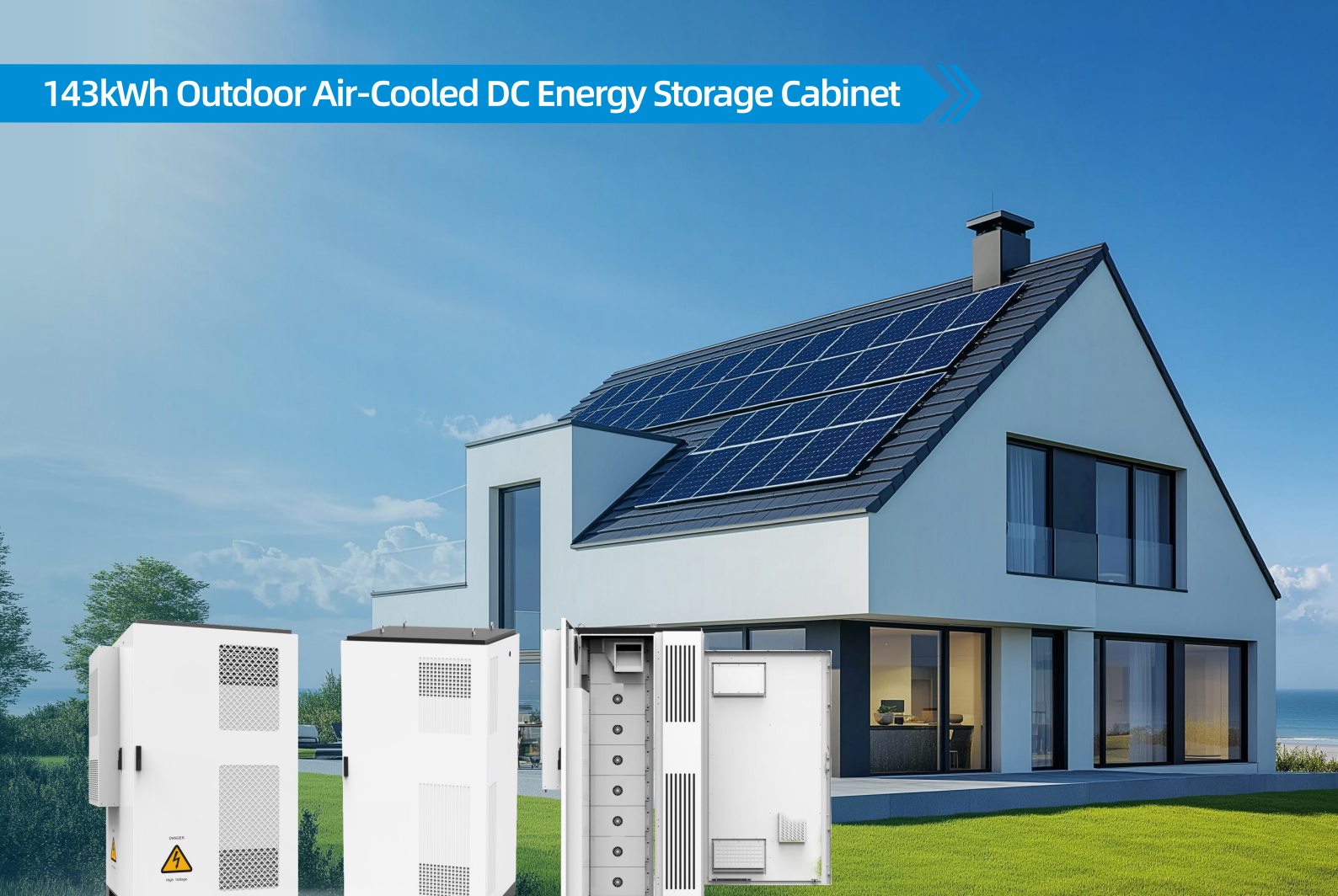


143kWh Outdoor Air-Cooled DC Energy Storage Cabinet



Industrial park



Villa residence



Farm



Power station

Product features:



Easy installation , operation and maintenance

Highly integrated , convenient for transportation, operation and maintenance
Fully pre-assembled , no need for on-site installation of battery modules
Fully functional debugging , meets the requirements for many scenarios with simple configurations available for use



Safe and Reliable

Multi-level protection for AC and DC , the system quickly disconnects during anomalies
Fire detection and protection at PACK level and cluster level , effectively managing dual detection in battery and electrical compartments for comprehensive coverage .



Flexible Configuration

Supports 0.5C charging/discharging
Supports 4 units in parallel in DC side.
Supports n units in parallel in AC side (Determined by the selected hybrid inverter)
Compatible with diesel generation , photovoltaic systems , and uninterrupted switching (Determined by the selected hybrid inverter)



Long Operating Life , Support Full Power charge and discharge

Intelligent Air cooling ensure higher efficiency Intelligent Air cooling prolongs battery life
Battery cells operate in an environmentally friendly manner, ensuring charge and discharge power.
Smart cooling system prevents heat accumulation



User-Friendly

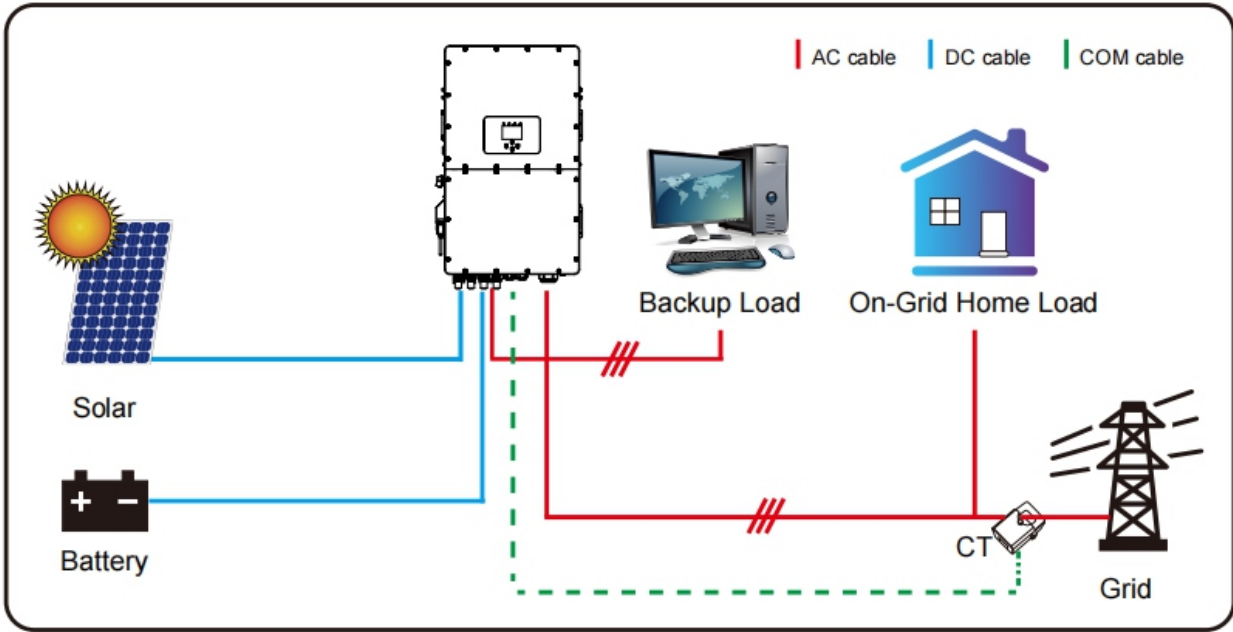
Intelligence Remote support for strategy adjustments , configuration , and data viewing
Real-time status monitoring and fault logging , Enables fault warning and location identification
Built-in battery performance monitoring and recording capabilities



Seamless Switching

Grid-off-grid & off-grid-grid switching, switching time < 20ms

System chart



Technical Specification for 2 hours Backup (0.25-0.5C)

Model	160kWh	120kWh	61.44kWh
DC(Battery)			
Cells Type	LiFePO4 Lithium Iron Phosphate		
Cell specification	3.2V314Ah	3.2V314Ah	3.2V100Ah
Modle of Battery	20S1P (20.096kWh)	20S1P (20.096kWh)	24S1P(7.68kWh)
System of Battery	160S1P	120S1P/140S1P	192S1P/216S1P/240S1P
Battery Capacity	160kWh	120kWh/140kWh	61.44kWh/69.72kWh/76.8kWh
Max . Power	80KW	60KW/70KW	30KW/35KW/35KW
Max . Current	157A	157A	50A
Battery Rated Voltage	512V (448V-576V)	384V (336V-432V) / 448V (392V-504V)	614.4V (537.6V-691.2V) /691.2V (604.8V-777.6V) /768V(672V-864V)
General Data			
Cabinet Size(W * D * H)	1050*1330*2274mm(Excluding lifting lugs)	1180mm*1050mm*2033mm	
Weight	≤2.8T		
Max . cycle efficiency	90%~99%		
IP Rating	Optional(IP54/IP55)		
Auxiliary Power Supply	Self-powered , Externally powered		
Corrosion resistance rating	Optional(C3/C4/C5)		
Operating Humidity Range	0%-100%(Non-condensing)		
Operating Temperature Range	-30°C-50°C(>45°Cderating)		
Max . Operation Altitude	>3000m		
Battery cabinet cooling method	Air Cooling		
Fire safety configuration	Smoke detector, Heat detector, Gas-based fire extinguishing system , Pressure relief valve , Pack-level fire protection , Cluster-level fire protection , Water-based fire protection , Automoaotic pressure relief		
Communication	RS485、CAN		
Communication Protocol	ModbusTCP		
System protection	water ingress protection, fire protection,access control alarm		
Note:Options for solutions and spare parts are available. For details , please consult with our sales for further communication .			
Hybrid Inverter	Compatible with this model		
Deye	SUN-60/70/75/80K-SG02HP3-EU-EM6/SUN-29.9K-SG01HP3- EU-BM3 SUN-30K-SG01HP3-EU-BM3/SUN-35K-SG01HP3-EU-BM3 SUN-40K-SG01HP3-EU-BM4/SUN-50K-SG01HP3-EU-BM4		
Other Hybrid Inverter	Contact the business staff to confirm if the agreement matches		