Huntkey | GreVault

C&I Energy Storage Battery

241 KWh， with Liquid Cooling

Fully integrated, pre-configured commercial and industrial energy storage system saves time on-site installation.

The system includes inverter, battery tray, rack, BMS, microgrid controller, liquid cooling system, fire suppression, and outdoor enclosure.

The unique liquid cooling system optimizes battery cooling performance by a factor of 3 to extend battery life.

The heptafluoropropane fire extinguishing system is installed in each box, which is safer and more efficient.

Integration with solar, wind, genset and other energy sources.

The system supports remote operation and maintenance.

- Direct contact liquid cooling system: ≤3°C temperature difference between battery cells
- Enables independent, stable power supply when combined with PV system
- Compact design, highly integrated
- Enhanced data management through data synchronized with EMS

Technical Indicator

Model	241KWh
Cell	LFP
Nominal Energy	241.15kWh
Nominal Voltage	768V(1P240S)
Capacity per Cluster	314Ah
Internal Resistance	≤100mΩ
Standard Charging Current	150A
Max Charging Current	250A
Upper Limit Charging Voltage	864V or 3.6V/cell
Standard Discharging Current	150A
Max continuous Discharging current	250A
Discharge Cut-off voltage (Udo)	672V
Rated Frequency	50Hz/60Hz
Power Factor	1lagging-1leading
Maximum Harmonic Current	<3%(Rated output power)
Charging Temperature Range	5℃~50℃
Discharge Temperature Range	-10℃~50℃
Storage Temperature Range	-20℃~60℃ （Recommended：25±3℃）
Operating Temperature Range	25~60℃, >45℃ Derating
Storage Humidity Range	≤90%RH
IP Grade	IP54
Cooling	Liquid cooling
Liquid cooling power	5KW
Dimensions (L*W*Hmm)	1353*1078.5*2072
Weight	2300±30kg
Noise	<75dB
Communication	Can/RS485
Grid type	three phase
Certification	UN 38.3