

E²Stack-5000-C

Superb safety, triple level fire protection&big data monitoring guarantee early warning and accurate fire suppression

High power density, 5MWh+ in 20ft container, suitable for side-by-side configuration, support fast deployment

Better battery management, with exclusive patent for parallel pipeline flow control to guarantee better heat dissipation for each battery pack

Modular design, easy for power expansion from 419kWh~5031kWh



Superb safety

- Triple level fire detection guarantee early fire alarm, with accurate and rapid extinguish material spraying achieves higher material utilization, and slow the fire process;
- Cloud intelligent operation analysis provide panoramic surveillance and full dimensional warning, to identify potential risk early and take action correspondingly;

High economical performance

- 315Ah LFP with high energy density and prolonged cycle life realize a 30% cost reduction per kWh;
- 5MWh+ in one 20 ft container, side-by-side layout, realize 40% foot print reduction;

Better battery management

- Independent cooling pipeline for each battery pack, with exclusive patent for parallel pipeline flow control to guarantee better heat dissipation for each battery pack;
- Intelligent variable frequency control of the cooling system, well management of the auxiliary power consumption;

Increasing flexibility

- Flexible system topology for various scenarios, including the power generation side, grid side, and user side;
- Modular design, easy for power expansion from 419kWh~5031kWh;

Technical Parameter

Product model	E ² Stack-5000-C
Cell parameters	
Cell type	LFP
Cell capacity	315Ah
Pack parameters	
Cell configuration	1P104S
Pack rated voltage	332.8V
Pack rated energy	104.832kwh
Rack parameters	
Rack battery configuration	1P416S
Pack qty	4
Rack rated energy	419.328kWh
System parameters	
System battery configuration	12P416S
Rated energy (BOL) at DC side	5031kWh
System output volltage range	1040Vdc~1500Vdc
Rate for charging and discharging	≤0.5P
Dimensions	20ft(6058mm*2438mm*2896mm)
Weight	≤44000kg
Level of protection	Ip55
Anti-corrosion grade	C4
Operating humidity range	0%~95%(non-condensing)
Operating temperature range	-30°C~55°C (derated when the operating temperature is over 45°C)
Max. operating altitude	4000m(derated when the operating altitude is over 2000m)
Colling method	Liquid-cooling
Fire protection	Aerosol+temperature detector+smoke detector+combustible gas detector +audible and visuall allarm+fire water system
Communication interface	RS485/LAN
Communiaction protocoll	Modbus TCP
Certification	IEC62619,IEC63056,IEC62477,EN61000,UL1973,UL9540A,UN38.3,KC

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