

PowerGen Mate



106 kWh-----200 kWh

High-Voltage Battery System

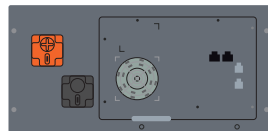
Our robust high-voltage lithium battery system excels in mobile applications and harsh environments, making it the ideal energy storage solution for demanding hybrid power systems.

As the core energy storage unit, our system is designed for seamless integration with Gen-set, PCS, and controllers,

Providing reliable energy storage support for your hybrid energy system while reducing integration complexity—we focus on the battery, so you can focus on system value.

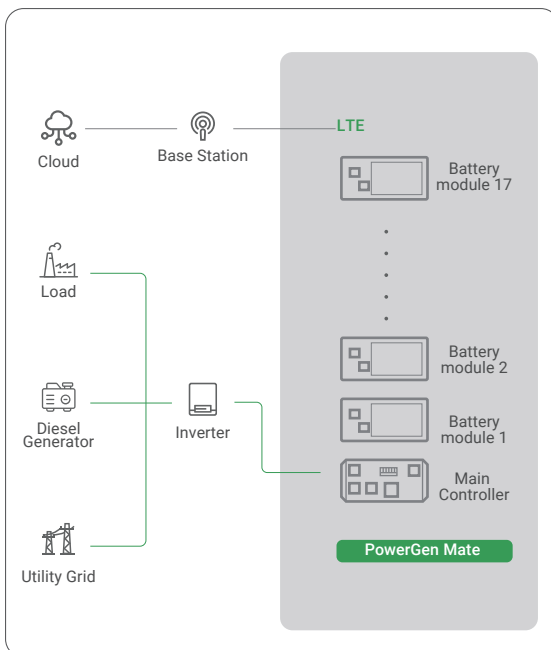


Main control

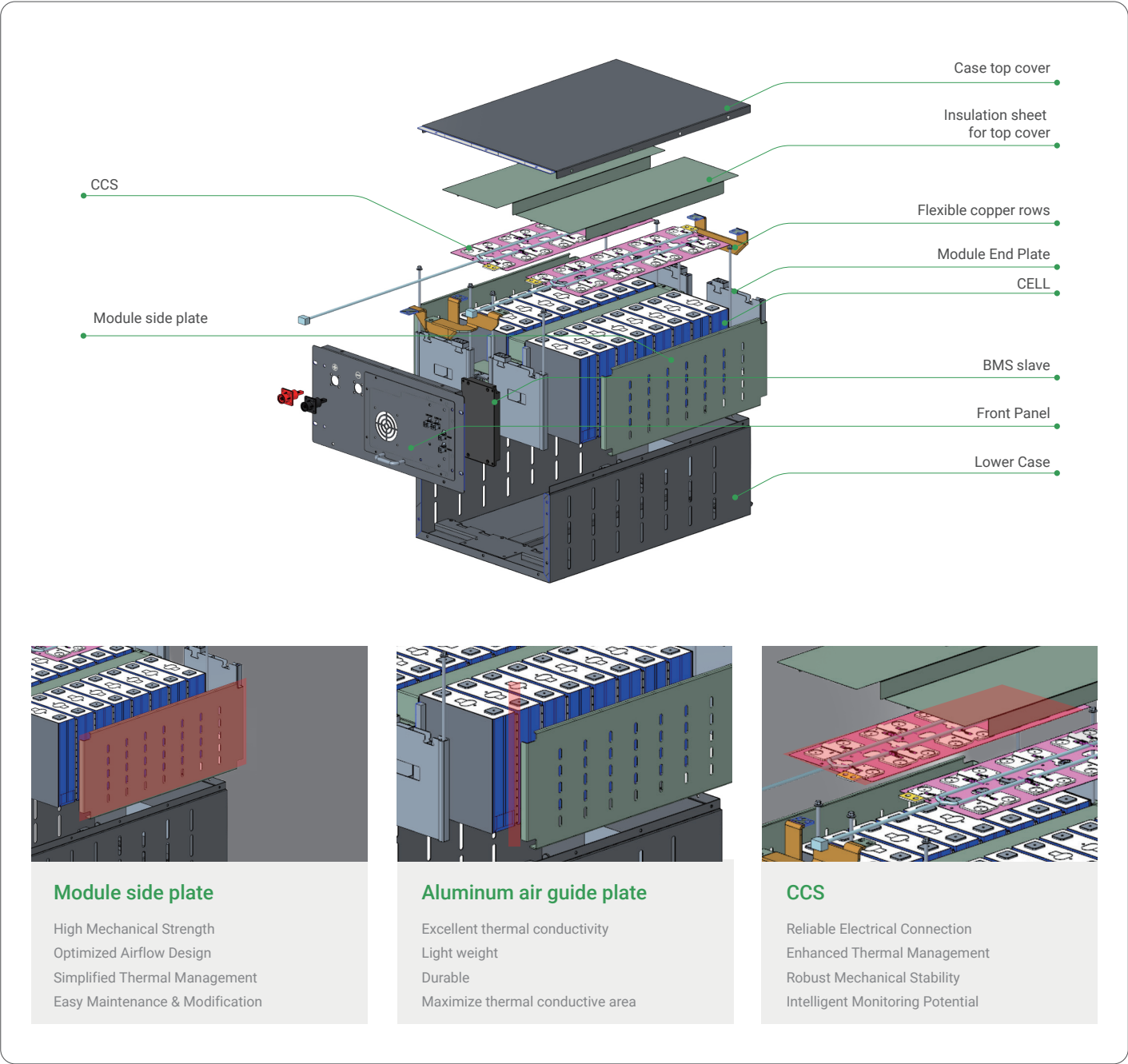


Battery module

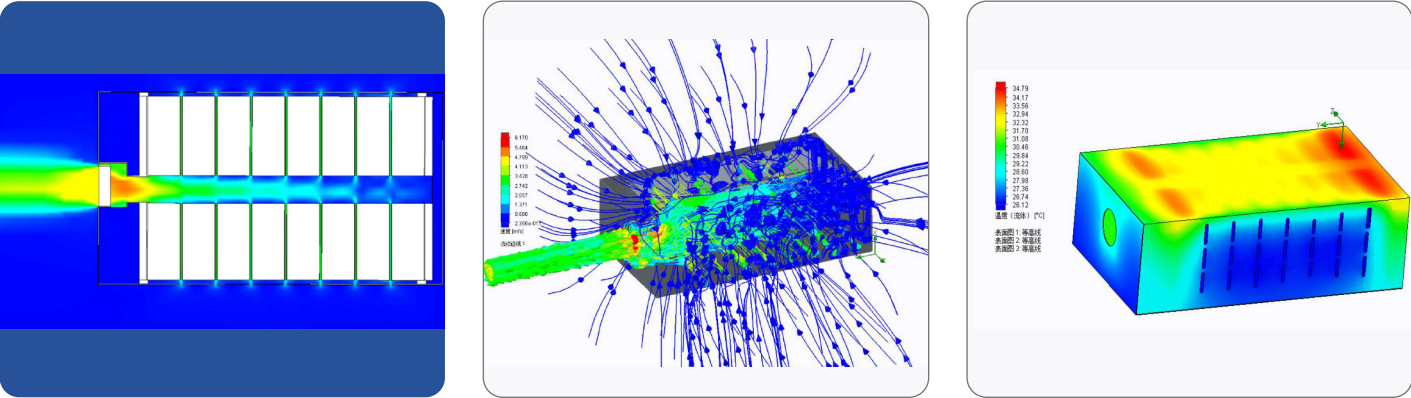
System Layout



Battery Exploded View



Unique ventilation ducting design for battery modules



■ Main Parameters

Battery Module	
Module energy (kWh)	11.776
Rated voltage of module (V)	51.2
Module Operating Voltage (V)	40-58.4
Module capacity (Ah)	230
Continuous charging current (A)	115
Continuous discharge current (A)	115
Peak charging current (A)	460A 30S(2C)
Peak discharge current (A)	460A 30S(2C)
Operating Temperature	Charge:0°C~55°C Discharge:-30°C~55°C
Battery module combination	support Max 17 modules connected in series
Weight (kg)	99
Dimension(mm)	484*236*643

Cell Selection	
Cell type	LiFePO4
Cell model	3.2V 230Ah
Nominal Capacity	230Ah
Nominal Voltage	3.2V
Operation Voltage	2.5~3.65
Standard Discharging Current	115A
Max. Continuous Discharge Current	230Ah
Max . peak Discharge Current	460A 60s SOC>20%
Standard Charging Current	115A
Max. Continuous Charge Current	230Ah
Max . peak Charge Current	460A 60s SOC>20%
Operation Temperature	Charge:0~55°CDischarge:-30~55°C
Cycle life	Cycle number>4000 times(remaining capacity>80%)
Typical Dimension	53.72*174*203.11
Weight	4.11+0.12kg