



Utility-Scale Battery Energy Storage Solution

Safety and Reliability

- Precise thermal management ensures the stability of the battery system.
- Multi-level battery protection from cell to the system and modular system enables high safety
- Pack-level fire suppression
- IP 54 rated and C4 anti-corrosion

Efficiency and Flexibility

- Higher efficiency and longer battery cycle life thanks to advanced liquid-cooling technology
- Enhanced scalability by parallel connection

Smart and Powerful

- Robust design combined with intelligence for maximum availability and performance
- Smart control system provides information about the operation state

Cost-effectiveness

- Pre-integrated ESS for easy installation, commission and ease of maintenance
- High availability and efficiency enable the operation of system cost effectively

Technical specifications		
Battery Type		Lithium iron phosphate
Cell configurations		10P384S
Rated capacity (Ah)		2800
Rated energy (MWh)		3.44
Rated voltage (v)		1228.8
Rated charge/discharge rate		0.5C
Voltage range(V)		1075.2-1382.4
Charge temperature range (°C)		-30~60
Discharge temperature range (°C)		-30~60
Storage Temperature	Short term(<1month)(°C)	-30~60
	Long term(<1year) (°C)	0~35
Storage humidity		≤95%
Standard Altitude (m)		2000
Cooling		Liquid Cooling
Coolant		Ethylene glycol : aqueous solution (50%v :50%v)
Fire Suppression		NOVEC1230/FM200 Water spray
Dimensions(L*D*H)(mm)		6058*2438*2896(20ft HQ)
Total weight(T)		~35
IP Rating		IP54
Life Cycle		8000
DC Round Trip Efficiency (%)		≥93%
Detector		Smoke & heat detector. Inflammable Gas Detector