



## 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