

3MWh⁺

Liquid cooling Energy Storage System II



Cell Thermal Runaway

Real-time thermal regulation +
Immersion cooling suppresses
thermal runaway



Fire Suppression System

Immersion fire suppression (>90%) |
Multi-sensor monitoring (T/S/G) + Explo-
sion-proof vent | Dual-system:
Novec1230+Sprinklers



Leak-Tight Design

Integrated Liquid Cooling, Dual-mode
Leak Detection, Real-time Tracking,
Tri-level Interlock

MODEL		3MWh ⁺
ELECTRICAL		
Cell Type	LFP-300Ah	
Max.Temperature Difference	3°C	
Configuration	Pack:1P44S Rack:1P396S Container System:9P396s	
Rated Energy (kWh)	Pack:42.2 Rack:380.2 Container System: 3421.4	
Rated Voltage (Vdc)	Pack: 140.8 Rack/Container System: 1267.2	
Recommended Voltage(Vdc)	Pack:123.2~158.4 Rack/Container system:1108.8~1425.6	
Max. Charge/Discharge Rate	0.5P@25°C	
Max. Charge Power(kW)	1710.7(0.5P)	
CONDITIONS		
Storage Temperature (°c)	-30~60	
Operating Temperature (°C)	-30~50	
Working Relative Humidity(%)	0~95(non-condensing)	
Altitude(m)	< 3000 (≥3000 derating)	
PARAMETERS		
Ingress protection	IP54	
Cooling	Liquid-cooled	
Communication Interface	CAN,RS485,Ethernet	
Communication Protocol	Modbus-TCP/IP	
Fire Suppression	Pack level Temperature / smoke Gas Detector + Water Fss / Novec1230	
Standards&Certification	GB/T36276,UL1973,UL9540,UL9540AUN38.3.UN-3536,IEC62477,IEC60730IEC61000,IEC62619,NFPA855 Compliant	
Dimensions(W*D*H)mm	20ft Container6058x2438x2896	
Weight(T)	< 37	