EU Standard 20ft HQ Containerized 2.5MW/5MWh String ESS

Specifications

System Specifications

Rated Energy	5015.96kWh
Cell Type	LFP 3.2V / 314Ah
System Configuration	((1P104S)4S) 12P
Operating Voltage	1040V DC~1497.6V DC
Nominal DC Voltage	1331.2V DC
Charge-Discharge Rate	0.5P
Relative Humidity	0~95%RH
Pack IP Rating	IP67
Enclosure IP Rating	IP55
Anti-corrosion Class	≥C4
Altitude	4000m (>3000m Derating)
Ambient Temperature	-30℃~55℃ (>45℃ Derating)
Thermal Management	Liquid Cooling / Heating
Fire Suppression System	Pack Level (Aerogel + Aerosol) + Enclosure Level (Aerosol + Water Sprinkler)
Communication Interfaces	CAN, RS485, Ethernet
Communication Protocols	Modbus TCP/RTU, IEC 61850
Dimension(WxDxH)	6058mm*2438mm*2896mm
Weight	≈43T
Certifications	IEC 62619, IEC 63056, IEC 60730, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 60529, UN 38.3, UL 9540A