

GENERAL

Nominal Capacity	233 kWh
Usable Capacity (95% DOD)	221.35 kWh
Maximum Charge/Discharge Rate	0.5C
Self-discharge Rate	≤ 3.5 % (per month)
Relative Operating Humidity	0% ~ 95% RH, non-condensing
Operating Temperature Range	-13 °F ~ 113 °F
Storage Temperature Range	-22 °F ~ 122 °F (recommended 32 °F ~ 86 °F)
Operating Altitude	≤ 2000 m
Dimensions (mm)	W1600×H2200×D1300
Corrosion-proof Grade of Cabinet	C4
Weight	Approximately 7055 lbs
IP Rating	IP54 (Battery room IP55)
Noise Level*	≤ 70 dB
Communication Protocol	Modbus TCP/RTU, CAN
AC Line Frequency	60 Hz
Auxiliary Power Supply	External powered
BMS	Integrated
EMS	Integrated

BATTERY

Battery Rack Quantity	1
Battery Pack Quantity Per Rack	5
Battery Pack Structure	1P52S
Battery Capacity per Pack	46.592 kWh
Battery Type	LiFePO ₄
DC-side Rated Voltage	832 Vdc
DC-side Operating Voltage Range	715 ~ 928 Vdc
Cooling Concept	Liquid-cooling
Cycle Lifetime of Cell	≥ 6000 cls (70%SOH,25±2°C)

PCS

DC Operating Voltage Range	700 ~ 1000 Vdc
Max. DC Current	198 A
Rated AC Power	125 kW
Rated AC Current	150 A
Rated AC Voltage	480 Vac, 3P+N+PE
Power Factor Adjustable Range	-1 ~ +1
Peak Efficiency	> 98.6 %
Long-term Overload Capacity	110 %
Cooling Concept	Liquid-cooling

SAFETY FEATURE

Flammable/explosive Gas Detection, Flammable/explosive Gas Exhaust, Smoke Detection, Temperature Detection, Aerosol Fire Suppression, Siren and Strobe Alarm, Dry Pipe and Sprinkle, Emergency Stop Button

STANDARDS

UL 1973, UL 9540A , UL 60730-1 Annex H, NFPA 69, UL 9540, UL 1741CRD, UN38.3

*1: Average noise level after the system has stabilized