

CONTAINER SOLUTIONS



100-500kW
215-1290kWh

20 FT. COMMERCIAL +
INDUSTRIAL BESS

FEATURES

- + Active Cell and Module Balancing
- + Superior Cycle Life of 10 000 Cycles
- + Industrial Transformer Inverter System
- + Fire Suppression, Smoke Detectors and Alarm System
- + Integrated Industrial Air Conditioning System
- + Off Grid, On Grid and Solar Ready
- + Remote Monitoring and Reporting
- + Scalable Bespoke Solutions
- + 10 Year Warranty on Batteries, 5 Year On Inverter, Extendable To 10 years
- + On-Site Assistance and Commissioning
- + System Certified: **UN3536**
UN38.3
NRS097
IP54



SUPERIOR CYCLE LIFE
10 000 CYCLES



REMOTE MONITORING +
TECHNICAL SUPPORT



CELL LEAKAGE
PROTECTION + ACTIVE
CELL BALANCING



INTELLIGENT
FIRE SUPPRESSION
SYSTEM

BATTERY PARAMETERS

SPECIFICATIONS

Battery Module	51.2V 280Ah (0.5C) 14.336kWh
Cells	Advanced Prismatic LiFePO4 Cells
Balancing	Active Cell & Module Balancing
Storage Capacity	215-1290 kWh
Nominal Voltage	768 V
Operational Voltage Range	720-840 V
Recommended Charge/Discharge	n x (140 A (0.5) / 140 A (0.5C))
Continous Maximum Charge/Discharge	n x (200 A (0.7C) / 200A (0.7C))
Rated Continous Power	n x 107 kW
Smart Cooling	Battery: HVAC ; Inverter: Air Cooling
Cycle Life	10 000 Cycles at 80% DOD @ 25± 2°C, 70% EOL, 0.5C/0.5C
Design Life	15 years

AC ON-GRID PARAMETERS

Rated (Output) Power	250kW (Scalable to 1MW) / 500kW (Scalable to 2MW)
Max AC Charge Power	250kW (Scalable to 1MW) / 500kW (Scalable to 2MW)
Voltage Range	320~460 V
Grid Connection	3W + N + PE
Topology	Transformer Integrated
Static Switch (Change Over)	Integrated (<20ms)

AC OFF-GRID PARAMETERS

Rated Charge/Discharge Power	250kW (Scalable to 1MW) / 500kW (Scalable to 2MW)
Rated Grid Voltage	340V-440V
Rated Frequency	50/60(-2.5~2.5) Hz
Generator Control	Yes

PV PARAMETERS

Nominal MPPT Module Power	50kW
Nominal PV Power	250kW (Scalable to 1MW) / 500kW (Scalable to 2MW)
MPPT QTY	5 / 10 (Scalable to 20 / 40)
Max PV Current	100A Per String
Max PV VoC	650V

SYSTEM PARAMETERS

IP Rating	IP54
Corrosion Rating	C4 High Protection
Operating Temperature	-20~50°C
Relative Humidity	0% ~ 95% No Condensation
Fire Fighting System	Controller, Detectors, Alarms & Extinguisher
Dimensions	1800mm*1181mm*2352mm
Weight	About 3,5 T
Communication Ports	CAN, RS485, LAN, 4G/GPRS

COMPLIANCE

Battery	UN38.3, UN3536, IEC62619
Inverter	CE LVD IEC 62477, CE EMC IEC 610000, EN 50549-1:2019, G99, AS4777, NRS097