



ENERGY CUBE

OUTDOOR
SOLUTION



105kW

Power

215kWh

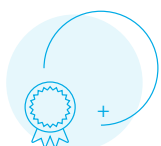
Storage Capacity

100kW

PV Capacity

FEATURES

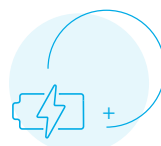
- + EMS, PCS & STS
- + <20ms Transfer Time
- + 10 Year Warranty (Ts & Cs Apply)
- + Active Cell and Module Balancing
- + Forkliftable, Easy Rigging Eye Bolts
- + Service Level Agreement (Optional)
- + Integrated Industrial Air Conditioning System
- + Fire Suppression, Smoke Detectors and Alarm System
- + On-Site Assistance and Commissioning
- + Remote Monitoring and Reporting
- + Superior Cycle Life of 10 000 Cycles
- + Off-Grid, On-Grid and Solar Ready
- + 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

Battery Module

SPECIFICATIONS

51.2 V 280 Ah (0.5C) 14.336 kWh

Cells

Advanced Prismatic LiFePO4 Cells

Balancing

Active Cell & Module Balancing

Storage Capacity

215 kWh

Nominal Voltage

768 V

Operational Voltage Range

720-840 V

Recommended Charge/Discharge

140 A (0.5) / 140 A (0.5C)

Continuous Maximum Charge/Discharge

200 A (0.7C) / 200A (0.7C)

Rated Continuous Power

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

105 kW

Max AC Charge Power

100 kW

Voltage Range

320~460 V

Grid Connection

3W + N + PE

Topology

Transformer Optional

Static Switch (Change Over)

Integrated (<20ms)

AC OFF-GRID PARAMETERS

Rated Charge/Discharge Power

100 kW / 105 kW

Rated Grid Voltage

340 V - 440 V

Rated Frequency

50 / 60 (-2.5~2.5) Hz

Generator Control

Yes

PV PARAMETERS

Nominal MPPT Module Power

50 kW

Nominal PV Power

100 kW

MPPT QTY

2

Max PV Current

100 A Per String

Max PV VoC

650 V

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