



ENERGY CUBE

OUTDOOR SOLUTION



105kW

Power

241kWh

Storage Capacity

100kW

PV Capacity

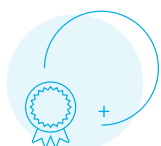
FEATURES

- + EMS, PCS, STS & MPPTs
- + <20ms transfer time
- + 10 year warranty on batteries (Ts & Cs apply)
- + Active cell & module balancing
- + Forkliftable, easy rigging eye bolts
- + Service level agreement (optional)
- + Integrated industrial air conditioning system
- + Fire suppression, gas & smoke detectors & alarm

System

- + On-site assistance & commissioning
- + Remote control, monitoring & reporting
- + Superior cycle life of 10 000 cycles
- + Off-grid, on-grid & solar ready
- + System certified:

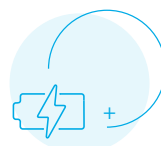
UN3536
UN38.3
NRS097
IP54



SUPERIOR CYCLE LIFE
10 000 CYCLES



REMOTE MONITORING +
TECHNICAL SUPPORT



CELL LEAKAGE
PROTECTION + ACTIVE
CELL BALANCING



INTELLIGENT
FIRE SUPPRESSION
SYSTEM

TECHNICAL DATA

BATTERY PARAMETERS

Battery Module	51.2 V 314 Ah (0.5 C) 16.077 kWh * 15 modules
Cells	New A-Grade Li-ion Prismatic LiFePO4 Cells
Balancing	Dual Channel Active Cell & Module Balancing
Storage Capacity	241 kWh
Max Rated Continuous Power	120.6 kW
Nominal Voltage	768 V
Operational Voltage Range	720-840 V (10% - 100% SOC)
Continuous Maximum Charge/Discharge	157 A (0.5 C) / 157 A (0.5 C) @25 °C
Smart Cooling	Battery: HVAC; Inverter: Air Cooling
Cycle Life	10 000 Cycles at 80% DOD @ 25 °C, 70% EOL, 0.5 C/0.5 C
Design Life	15 years

SPECIFICATIONS

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

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)

PV PARAMETERS

Nominal MPPT Module Power	50 kW
Nominal PV Power	100 kW (150kW Optional)
MPPT QTY	2 (3 Optional)
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	1800*1181*2352mm
Weight	About 3130 kg
Communication Ports	CAN, RS485, LAN, 4G/GPRS
Remote Services	Battery System Monitoring And Parameter Settings. Inverter Monitoring, Reporting, Work Mode And Parameter Settings.

COMPLIANCE

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

* Due to continuous product improvements specifications are subject to change without prior notice