



ENERGY BLOCK

OUTDOOR
SOLUTION



250-1000kW

Power

482-2410kWh

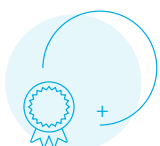
Storage Capacity

250-1000kW

PV Capacity

FEATURES

- + Active cell and module balancing
- + Superior cycle life of 10 000 cycles
- + Industrial transformer inverter system
- + Fire suppression, gas and smoke detectors, and alarm system
- + Integrated industrial air conditioning system
- + Off grid, on grid and solar ready
- + Remote control, monitoring and reporting
- + Scalable bespoke solutions
- + 10 year warranty on batteries, 5 year on inverter, extendable to 10 years (Ts & Cs apply)
- + 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

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	482 - 2410 kWh (with 1 x PCS, solution scalable up to 9.64 MWh with 4 x PCS)
Max Rated Continuous Power	n x 120.6 kW
Nominal Voltage	768 V
Operational Voltage Range	720-840 V (10% - 100% SOC)
Continuous Maximum Charge/Discharge	n x (157 A (0.5C) / 157 A (0.5C)) @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

AC OFF-GRID PARAMETERS

Rated Charge/Discharge Power	250 kW (Solution scalable to 1 MW)
Rated Grid Voltage	400 V
Rated Frequency	50 / 60 (-2.5~2.5) Hz
Generator Control	Yes

AC ON-GRID PARAMETERS

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

PV PARAMETERS

Nominal MPPT Module Power	50 kW
Nominal PV Power	250 kW (Solution scalable to 1 MW)
MPPT QTY	5 (with option of 1 additional)
Max PV Current	100 A Per String
Max PV VoC	650 V

SYSTEM PARAMETERS

IP Rating	Inverter Cabinet: IP54 Battery Cabinet: IP55
Corrosion Rating	C4 High Protection
Operating Temperature	-20~50°C
Relative Humidity	0% ~ 95% No Condensation
Firefighting System	Controller, Detectors, Alarms & Extinguisher
Dimensions	Battery: 1050*1190* 2340mm Inverter cab: 1600*1230* 2324mm; MPPT cab: 1350*560*2324mm
Weight	Battery: 2272kg (Single Cabinet) Total Inverter: 2061kg MPPT Cabinet: 694kg
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