

Product Features & Layout

Premium quality cells

Built with A-grade LiFePO₄ cells for inherent resilience against fade.

Modular storage layout

Contains 8 x 16kWh modules per unit. Scalable up to 20P units (>2.5MWh).

Compact by design

Total footprint required = 1.2m². Total volume occupied < 2.6m³.

Intelligent integrated BMS

Multi-tier balancing & serial integration capability with leading peripherals.

Quick & easy to deploy

Pre-configured & tested in-house for expedited installation & peace of mind.

Environmentally resilient

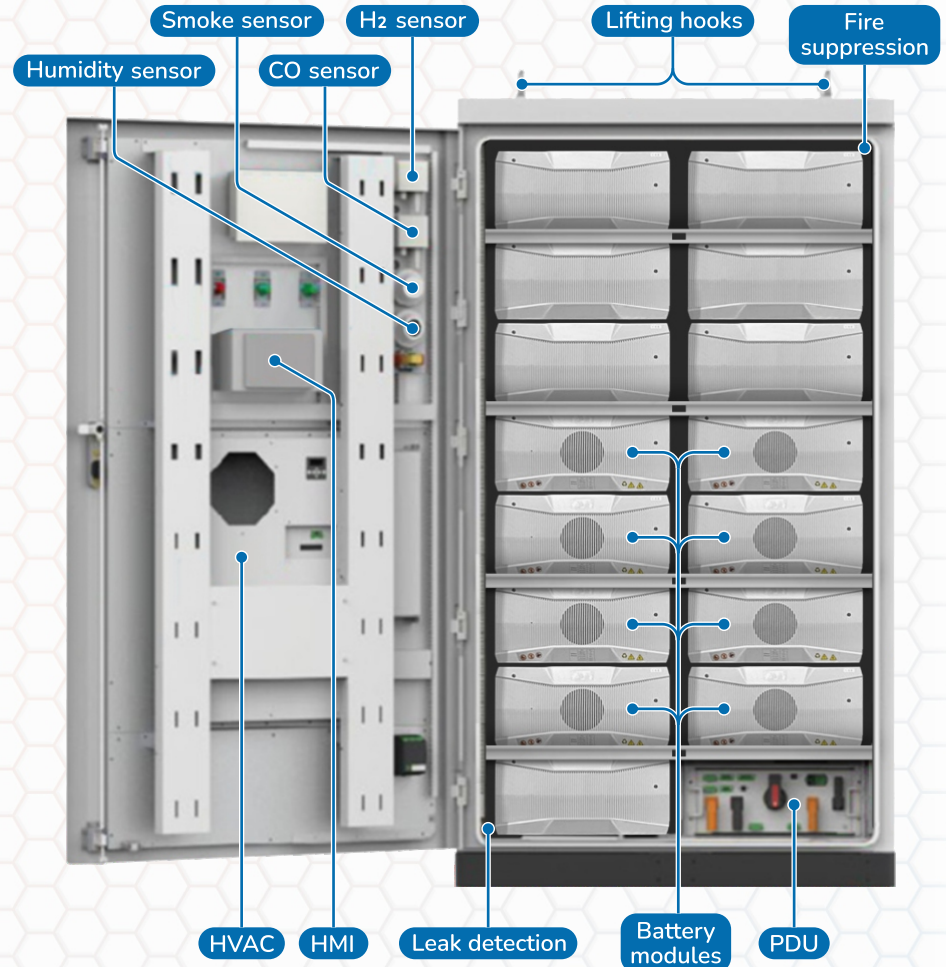
IP55 certified to allow for deployment in almost any outdoor location.

Unparalleled protection

Autonomous temperature control, fire suppression & multi-sensor array.

Cloud-based monitoring

On-demand remote monitoring via most web-connected smart devices.



◊ Affordable ◊ Reliable ◊ Scalable ◊ Efficient ◊ Safe

Technical Specifications

VOLTAGE, CURRENT & CAPACITY

Nominal voltage	410V
Operating voltage range	358.4 ~ 460.8V
Rated cell capacity	314Ah @C2, 25°C
Rated energy capacity	128 740Wh
Max. charge / discharge rate	0.5C

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-20°C ~ 45°C
Storage temperature range	-30°C ~ 55°C
Max. altitude	≤2000m
Max. humidity	≤95% (non-condensing)
Ingress protection rating	IP55

INTEGRATED SUPPORTING SYSTEMS

Temperature regulation	Autonomous air cooling
Fire suppression system	Aerosol / Novec1230
Serial communication	MODBUS TCP/IP

PHYSICAL SPECIFICATIONS

Dimensions (W x D x H)	1200 x 1000 x 2100mm
Net weight (unboxed)	2.0t

ADDITIONAL INFORMATION

Safety certification	CE-EMC, CE-LVD, IEC62619, UN38.3, MSDS
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