

Product Features & Layout

Premium quality cells

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

Modular storage layout

Contains 10 x 16kWh modules per unit. Scalable up to 20P units (>3.2MWh).

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

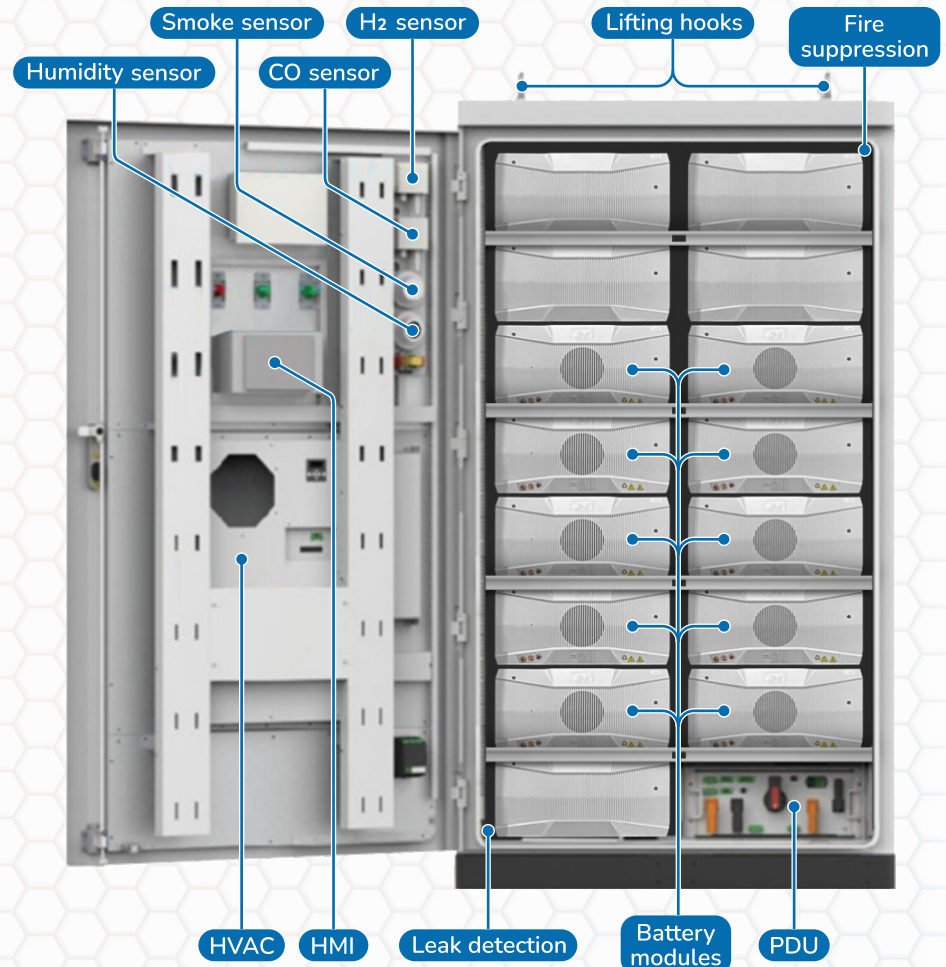
IP55 certified to allow for deployment in almost any outdoor location.

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 | 512V |
| Operating voltage range | 448 ~ 576V |
| Rated cell capacity | 314Ah @C2, 25°C |
| Rated energy capacity | 160 760Wh |
| 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 |
|----------------------|----------------------------------------|

