

Product Features & Layout

Premium quality cells

Built with A-grade 280Ah LiFePO₄ cells.
Inherently resilient against accelerated fade.

Modular storage layout

Contains 12 x 14.3kWh modules (172kWh).
Scalable up to 20P units (±3.45MWh).

Compact by design

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

Intelligent integrated BMS

Multi-tier balancing & serial communication
with inverters of leading manufacturers.

Quick & easy to deploy

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

Environmentally resilient

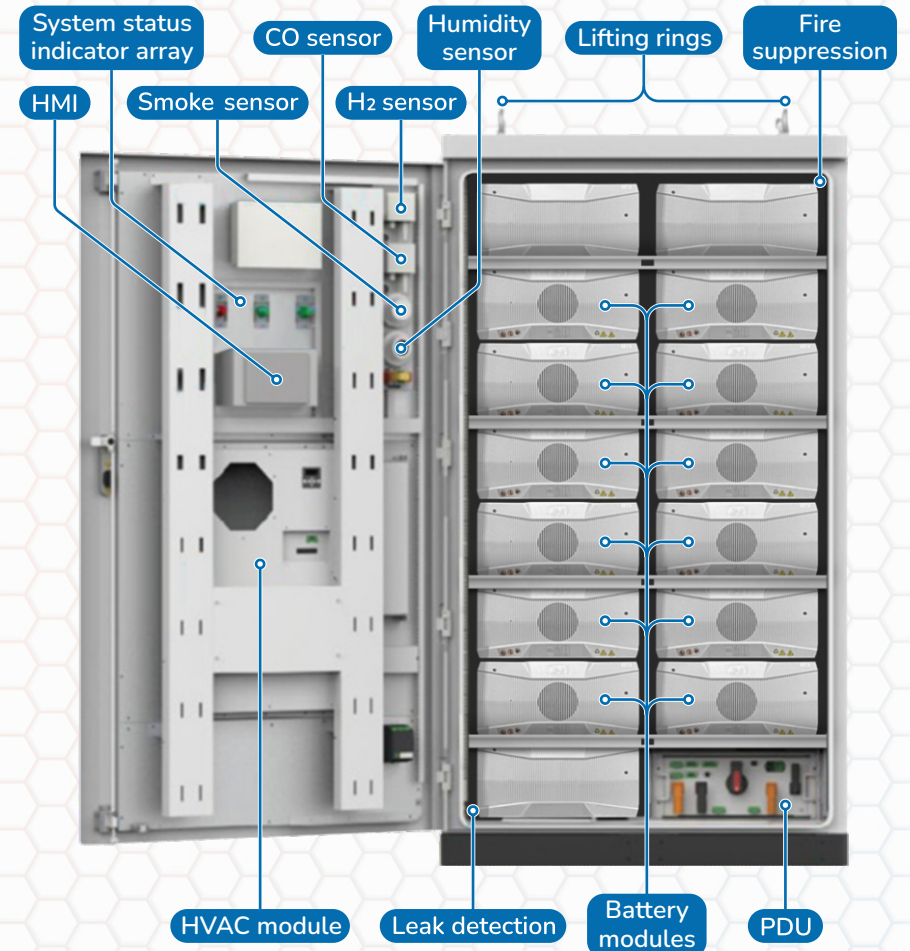
IP55 certified for quick & easy deployment
in almost any outdoor location.

Unparalleled protection

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

Cloud-based monitoring

On-demand remote access to system
health & performance indicators.



◊ Affordable ◊ Reliable ◊ Scalable ◊ Efficient ◊ Safe

Technical Specifications

VOLTAGE, CURRENT & CAPACITY

Nominal voltage	614.4V
Operating voltage range	537.6 ~ 691.2V
Rated cell capacity	280Ah @C2, 25°C
Rated energy capacity	172 032Wh
Max. charge / discharge rate	0.5C

ENVIRONMENTAL & SAFETY 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
Certification	CE-EMC; CE-LVD; IEC62619 UN38.3; MSDS

INTEGRATED SUPPORTING SYSTEMS

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

PHYSICAL SPECIFICATIONS

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

