

Product Features & Layout

Premium quality cells

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

Modular storage layout

15 x 16kWh modules 241kWh per unit.
Scalable up to 20P units (>4MWh).

Compact by design

Total footprint required = 1.85m².
Total volume occupied < 4m³.

Intelligent integrated BMS

Multi-tier balancing & serial communication (pre-configured) with Solis[®] inverter.

Quick & easy to deploy

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

Environmentally resilient

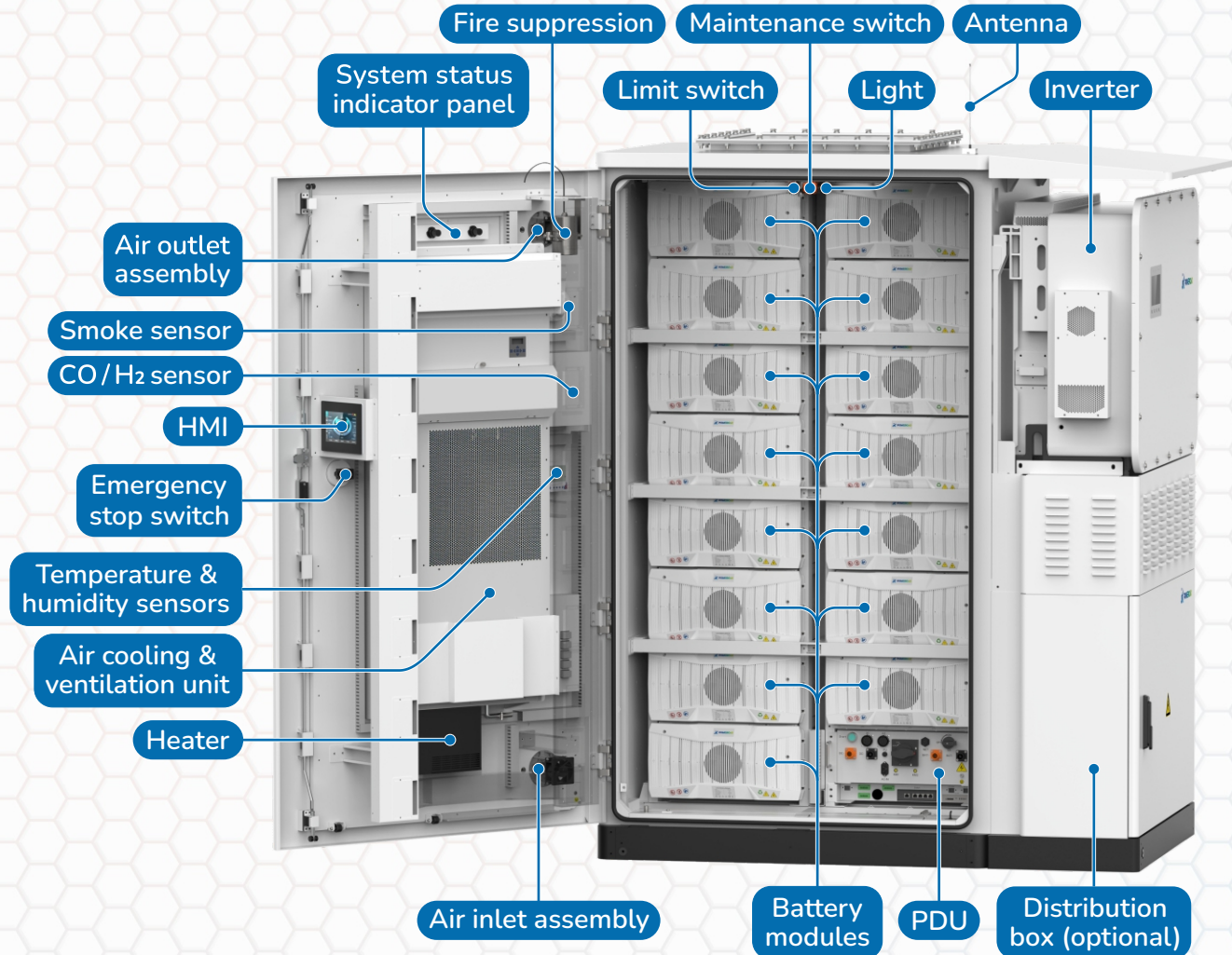
IP55 certified to allow for deployment in almost any outdoor location.

Unparalleled protection

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

Cloud-based monitoring

On-demand access to system health and performance indicators.



◊ Affordable ◊ Reliable ◊ Scalable ◊ Efficient ◊ Safe

Technical Specifications - DC/Battery Section



VOLTAGE, CURRENT & CAPACITY

Battery chemistry	Lithium iron phosphate
Nominal voltage	768V
Operating voltage range	672 ~ 864V
Rated cell capacity	314Ah @C2, 25°C
Rated energy capacity	241 150Wh
Max. charge / discharge rate	0.5C

ENVIRONMENTAL LIMITATIONS

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	Air-cooled
Fire suppression system	Aerosol
Serial communication	MODBUS TCP/IP

CERTIFICATION

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

Dimensions (W x D x H) *	2060 x 1040 x 2255mm
Net weight (unboxed) *	±2580kg

* Full assembly (incl. battery, inverter, overhead cover & distribution box)

Technical Specifications - Inverter

**S6-EH3P(125)K10-NV-YD-H**
HIGH VOLTAGE 3-PHASE HYBRID

AC INPUT @ GRID SIDE

Max. input power	164.5kW / 173.2kW
Input voltage range	304 ~ 460V
Max. input current	250A

AC INPUT @ GENERATOR SIDE

Max. input power	125kW
Rated input current	189.9A / 180.4A
Rated input voltage	3/N/PE, 220V/380V, 230V/400V
Rated input frequency	50 Hz

AC OUTPUT @ PASSTHROUGH MODE

Rated output power	125kW
Max. apparent output power	125kVA
Rated grid voltage	3/N/PE, 220V/380V, 230V/400V
Rated grid frequency	50 Hz
Rated grid output current	189.9A / 180.4A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%

AC OUTPUT @ BACKUP MODE

Rated output power	125kW
Max. output power	175kW for $\leq 10s$ / 200kW for $\leq 0.2s$
Rated output voltage	3/N/PE, 220V/380V, 230V/400V
Rated frequency	50Hz
Rated output current	189.9A / 180.4A
Max. AC passthrough current	189.9A / 180.4A
THDv (@linear load)	<3%
Backup switch-over time	<10ms

DC INPUT @ BATTERY SIDE

Battery voltage range	300 ~ 950V
Battery/BMS ports per unit	2
Max. charge/discharge current per port	100A
Max. charge/discharge current	2 x 100A
Communication	CAN, RS485

DC INPUT @ PV SIDE

Recommended max. PV array size	250kW
Max. usable PV input power	250kW
Max. input voltage	1000V
Rated voltage	600V
Start-up voltage	180V
MPPT voltage range	150 ~ 950V
Max. input current	10 x (42A per DC input)
Max. short circuit current	10 x (60A per DC input)
MPPT number / Max. input strings	10 / 20

AC OUTPUT @ BACKUP MODE

Inverter topology	Transformerless
Max. output power per phase	33% rated power
Self-consumption	<45W
Operating temperature range	-25°C ~ +60°C
Relative humidity	0 ~ 100%
Max. operating altitude	<3000m
Ingress protection rating	IP66
Safety certification	IEC/EN 62109-1/-2; IEC/EN 61000-6-2/-4; EN 55011