

KEY FEATURES

- Ultra-durable by design for sustained day-to-day operation**
 - Built only with newly manufactured A-grade LiFePO₄ cells for guaranteed resilience against accelerated fade.
- Intelligent battery management system functionality**
 - Provides autonomous protection against out-of-range use.
 - Maintains balanced cell voltages during charge & discharge.
 - Enables access to logged performance data for monitoring.
- Scalable capacity & integrated communication functionality**
 - Scalable in capacity from 16~241kWh (15P) per system.
 - Includes CAN & RS485 communication, Bluetooth & WiFi.
- Designed for ease-of-use & return on investment**
 - On-demand access to health & performance metrics via UI.
 - Supplied with a 10-year warranty & local technical support.
- Compatible with (but not limited to) the following 48V inverters:**



TECHNICAL SPECIFICATIONS

GENERAL PRODUCT SPECIFICATIONS

Battery chemistry	Lithium iron phosphate / LiFePO ₄ / LFP
Cell specifications	V _(nom) = 3.2V Capacity @C2, 25°C = 314Ah
Cell configuration	16S1P
Battery voltage	51.2V nominal
Battery capacity	Total installed capacity @100% DoD = 16 077Wh Usable @recommended max. 80% DoD = 12 861Wh
Multi-unit configuration range	1S1P ~ 1S15P units (16 ~241kWh per system)
Serial communication	CAN / RS485
User interface	Integrated 4.3" touch screen
Dimensions (unboxed)	440mm x 240mm x 970mm (W x D x H)
Weight (unboxed)	±140kg

VOLTAGE, CURRENT & CYCLE LIFE SPECIFICATIONS

Operating voltage range	43.2V ~ 57.6V
Charge current (continuous)	150A
Charge current (peak)	160A for max. 60s
Discharge current (continuous)	200A
Discharge current (peak)	210A for max. 60s
Cycle life @80% DoD, C2, 25°C	≥ 8000 cycles

ENVIRONMENTAL & SAFETY SPECIFICATIONS

Ambient temperature range	Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C
Ambient humidity range	0 ~ 95% (non-condensing)
Ingress protection rating	IP20
Safety certifications	CE-EMC; UN38.3; MSDS; IEC62619