EPOCH BATTERIES

QUICK SPEC SHEET

48V 125Ah

ESSENTIAL SERIES
LiFePO4 BATTERY

MODEL **48125A-COMM**

Heated · Bluetooth · RS485 / CAN · Victron communication

51.2 V
NOMINAL

6.40 kWh
STORED ENERGY

IP54
DUST-PROTECTED, SPLASH RESISTANT



11 YEAR WARRANTY

7,000+ CYCLES

SELF- HEATING

VICTRON CAN COMMS

BLUETOOTH EPOCH LI-ION APP

150 A CONTINUOUS

300 A PEAK · 10 S

IP54 SPLASH / DUST

QUICK SPECIFICATIONS

HIGH-PRIORITY RATINGS FOR FAST SCANNING · RATINGS AT 25 °C

REV V01 · OCTOBER 2026

ELECTRICAL & SYSTEM	
Model	48125A-COMM
Series	Essential Series
Battery type	Heated 48V deep cycle
Chemistry	LiFePO4
Cell configuration	16S1P
Nominal voltage	51.2 V
Capacity	125 Ah
Stored energy	6.40 kWh (6,400 Wh)
Operating range	41.6–58.0 V
Max. charge voltage	58.0 V
Cycle life	7,000+ cycles
Bluetooth	Epoch Li-Ion app, iOS / Android
Self-heating	Yes
Victron comms	CAN-bus (GX / DVCC)
Balancing	2 A active balancing

DISCHARGE & RUNTIME	
Max. continuous discharge	150 A
Peak discharge	300 A / 10 s
Series / parallel	Parallel only, max. 15P
500 W / 1,000 W load	≈ 10.2 h / ≈ 5.1 h

CHARGE SETTINGS	
Max. continuous charge	150 A
Recommended charge	Up to 62.5 A (50%)
Bulk / absorption	56.8–57.6 V
Float	54.0–55.2 V (off preferred)
Equalization	Disabled
Temp. compensation	0 mV/°C (disabled)

TEMPERATURE	
Charge	–30 to 55 °C / –22 to 131 °F (heated)
Discharge	–20 to 55 °C / –4 to 131 °F
Storage	0 to 35 °C / 32 to 95 °F (≤ 1 year); –20 to 45 °C / –4 to 113 °F (≤ 1 month)
Low-temp charge	Heater on at 0 °C; charging resumes at 5 °C

MECHANICAL	
Dimensions	25.2 × 9.65 × 8.66 in
Metric	640 × 245 × 220 mm
Weight	110 lb / 50 kg
Terminals	Threaded inserts, red (+) / black (–)
Enclosure	IP54, not submersible

BMS PROTECTIONS	
Smart BMS	Built-in management
Overcharge / over-discharge	Protected
Over-current / short circuit	Protected
High / low temperature	Disconnect protection

COMPLIANCE & WARRANTY	
Compliance marks	CE, RoHS, WEEE
Transport	UN 38.3, Class 9
Warranty	11-year manufacturer

LOAD & INSTALL NOTICE

150 A continuous charge and discharge; 300 A is a 10-second peak only. Parallel only, max. 15P — no series. IP54: not submersible.

CHARGER & INSTALL NOTE

Use a 48V LiFePO4-compatible charger, converter, inverter charger, DC-to-DC charger or solar controller. Confirm cabling, fuse sizing, terminal fitment and temperature limits before installation.

Specifications compiled from Epoch product information, October 2026. Verify final ratings before print release. Product render shown for identification; labels may vary by production revision.

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