

STORAGEDOCK

12 VOLT BATTERY RANGE

ABEL ENERGY BATTERY RANGE

AB2.4K/12V LiFePO₄ Battery TECHNICAL DATA SHEET

SHORT DESCRIPTION

Introducing the AB2.4K/12V-188Ah LiFePO₄ battery, an innovative energy storage solution proudly manufactured in South Africa. This compact battery has a 2.4 kWh capacity and a 188 Ah rating, making it ideal for various applications. The AB2.4K/12V features a contemporary metal enclosure and weighs 23.8kg.

At its core, prime-life lithium iron phosphate (LiFePO₄) battery cells power the AB2.4K/12V, known for exceptional performance and longevity. Ensuring at least 4000 cycles at 80% Depth of Discharge (DoD), it provides a reliable energy storage solution. The battery includes a proprietary intelligent BMS, actively monitoring and managing the battery's health to safeguard against overcharging and over-discharging.



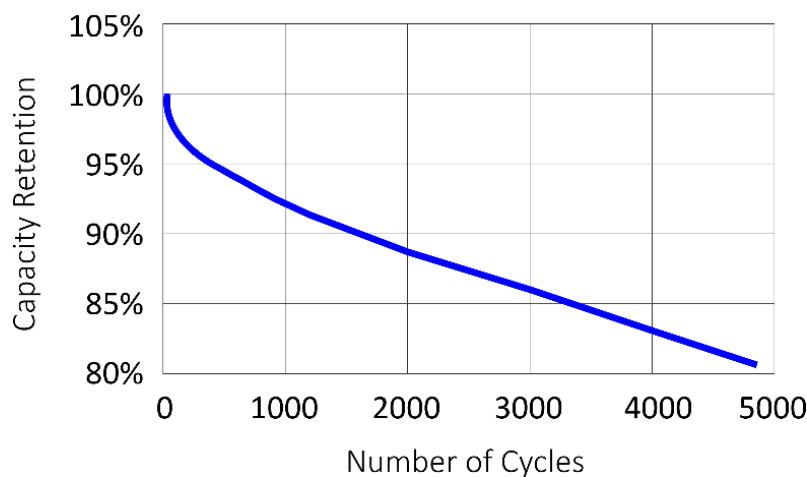
TECHNICAL SPECIFICATIONS AB2.4K

Product code	AEB008-12.8V2.4
Battery type	Grade A LiFePO ₄ Prismatic Cells
Nominal Voltage	12.8 VDC
Nominal capacity	188 Ah
Total Energy Capacity	2.40 kWh
Energy Capacity at 80% DoD	1.92 kWh
Standard charge current	70 A
Max charge current	100 A
Charge voltage Bulk/Absorb	14.1 VDC



Float voltage	14.0 VDC
Recommended constant discharge	70 A
Max discharge current	100 A
Discharge cut-off voltage	12 V @ 0.005C
BMS	Charge: 125A / Discharge: 125A
Protection	125 A SP circuit breaker
Operating temperature -Charge / Discharge	0 to 45° C / 0 to 55° C
Parallel connection port	No
CAN-bus communication	No
Inverter size support	1.5 kVA maximum
Case enclosure	Floor/wall mountable metal enclosure, painted. Indoor/protected under-cover use.
Dimensions (length x width x depth)	670mm x 265mm x 170mm
Weight	23.8kg
Ventilation distance	150mm clear on all sides with no obstructions

BATTERY CYCLE LIFE AT 25°C (1C/1C)



For more information and videos, please scan the QR code

