

STORAGEDOCK

24 VOLT BATTERY RANGE

ABEL ENERGY BATTERY RANGE

AB4.8K/24V LiFePO₄ Battery TECHNICAL DATA SHEET

SHORT DESCRIPTION

Introducing the AB4.8K/24V-188Ah LiFePO₄ battery, an innovative energy storage solution proudly manufactured in South Africa. This compact battery has a 4.8 kWh capacity and a 188 Ah rating, making it ideal for various applications. The AB4.8K features a contemporary metal enclosure and weighs 41.2kg.

At its core, prime-life lithium iron phosphate (LiFePO₄) battery cells power the AB4.8K, 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.



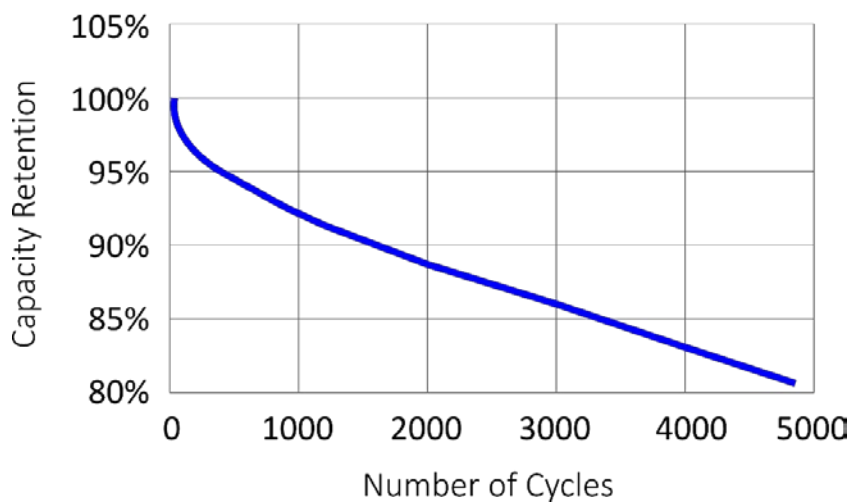
TECHNICAL SPECIFICATIONS AB4.8K/24V

Product code	AEB009-24V4.8K
Battery type	Grade A LiFePO ₄ Prismatic Cells
Nominal Voltage	25.6 VDC
Nominal capacity	188 Ah
Total Energy Capacity	4.80 kWh
Energy Capacity at 80% DoD	3.84 kWh
Standard charge current	70 A
Max charge current	100 A
Charge voltage Bulk/Absorb	28.1 VDC



Float voltage	28.0 VDC
Recommended constant discharge	80 A
Max discharge current	100 A
Discharge cut-off voltage	24 V @ 0.005C
BMS	Charge: 150A / Discharge: 150A
Protection	125 A DP circuit breaker
Operating temperature – Charge/Discharge	0 to 45° C / 0 to 55° C
Parallel connection port	No
CAN-bus communication	No
Case enclosure	Floor/wall mountable metal enclosure, painted. Indoor/protected under-cover use.
Dimensions (length x width x depth)	670mm x 360mm x 170mm
Weight	41.26kg
Ventilation distance	150mm clear on all sides with no obstructions
Warranty / Cycle life	5 years / 4000 cycles @ 0.5C 80% DoD

BATTERY CYCLE LIFE AT 25°C (1C/1C)



For more information and videos, please scan the QR code

