

STORAGEDOCK

24 VOLT BATTERY RANGE

ABEL ENERGY BATTERY RANGE

AB2.7K/24V LiFePO₄ Battery

TECHNICAL DATA SHEET

SHORT DESCRIPTION

Introducing the AB2.7K/24V-106Ah LiFePO₄ battery, an innovative energy storage solution proudly manufactured in South Africa. This compact battery has a 2.7 kWh capacity and a 106 Ah rating, making it ideal for various applications. The AB2.7K features a contemporary metal enclosure and weighs 27.6kg.

At its core, prime-life lithium iron phosphate (LiFePO₄) battery cells power the AB2.7K, 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.



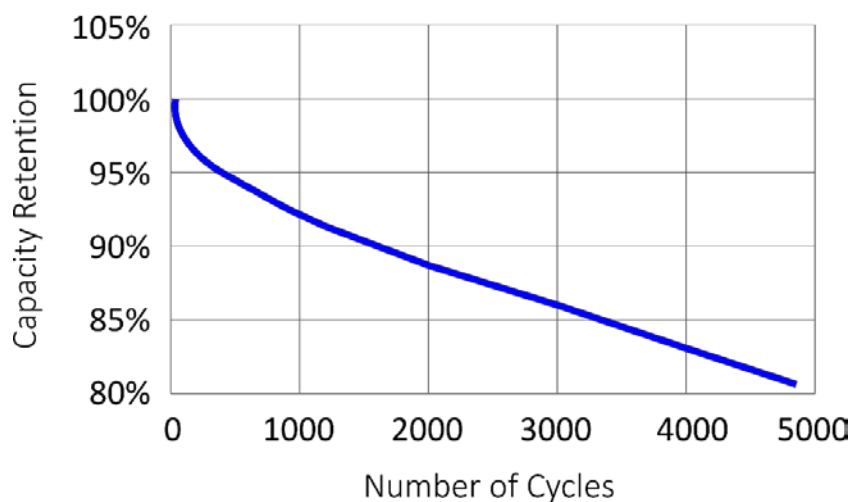
TECHNICAL SPECIFICATIONS AB2.7K/24V

Product code	AEB012-24V2.7
Battery type	Grade A LiFePO ₄ Prismatic Cells
Nominal Voltage	25.6 VDC
Nominal capacity	106 Ah
Total Energy Capacity	2.70 kWh
Energy Capacity at 80% DoD	2.16 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: 125A / Discharge: 125A
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)	430mm x 440mm x 170mm
Weight	27.6kg
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

