

STORAGEDOCK

12 VOLT BATTERY RANGE

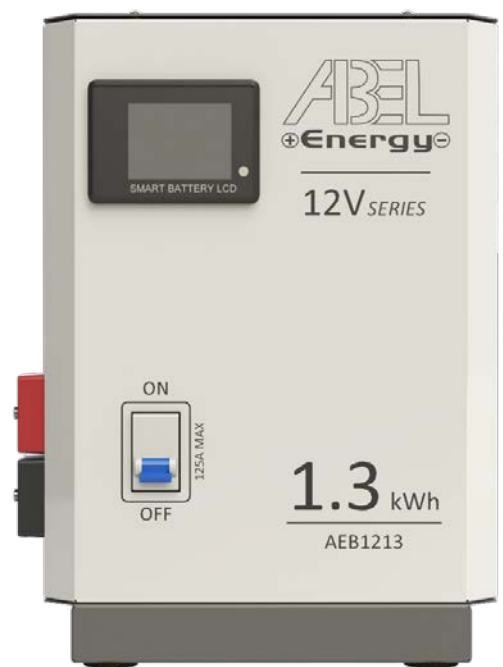
ABEL ENERGY BATTERY RANGE

AB1.3K/12V LiFePO₄ Battery TECHNICAL DATA SHEET

SHORT DESCRIPTION

Introducing the AB1.3K/12V-106Ah LiFePO₄ battery, an innovative energy storage solution proudly manufactured in South Africa. This compact battery has a 1.35 kWh capacity and a 106 Ah rating, making it ideal for various applications. The AB1.3K battery features a contemporary metal enclosure and weighs 12.4kg.

At its core, prime-life lithium iron phosphate (LiFePO₄) battery cells power the AB1.3K, 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.



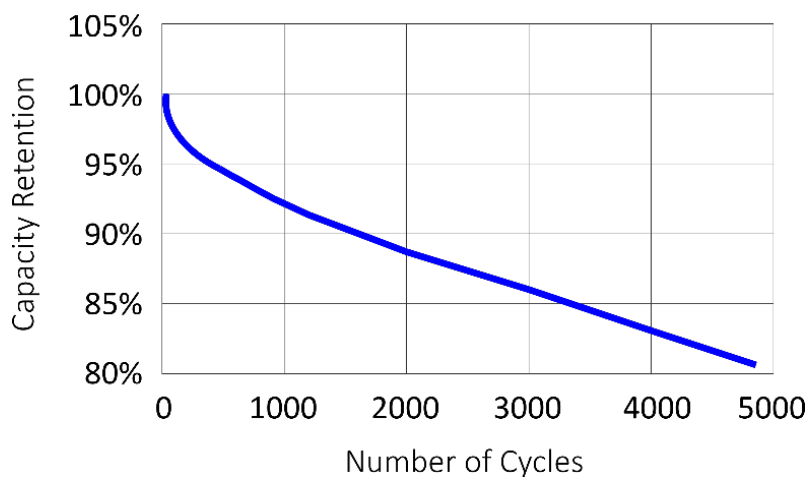
TECHNICAL SPECIFICATIONS AB1.3K

Product code	AEB001-12.8V1.3
Battery type	Grade A LiFePO ₄ Prismatic Cells
Nominal Voltage	12.8 VDC
Nominal capacity	106 Ah
Total Energy Capacity	1.35 kWh
Energy Capacity at 80% DoD	1.08 kWh
Standard charge current	50 A
Max charge current	70 A



Charge voltage Bulk/Absorb	14.1 VDC
Float voltage	14.0 VDC
Recommended constant discharge	50 A
Max discharge current	100 A
Discharge cut-off voltage	12 V @ 0.005C
BMS	Charge: 70A / Discharge: 110A
Protection	125 A SP circuit breaker
Operating temperature -Charge / Discharge	0 to 45° C / 0 to 55° C
Parallel connection ports	None
CAN-bus communication	None
Inverter size support	1.2 kVA maximum
Case enclosure	Floor/wall mountable metal enclosure, painted. Indoor/protected under-cover use.
Dimensions (length x width x depth)	310mm x 235mm x 175mm
Weight	12.4kg
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

