LITHIUM IRON PHOSPHATE BATTERY

MEET THE AZBAT24100A

LiFePO4 cells have revolutionised the potential and lifecycle cost of operating battery-based power systems. Ideally suited for use in energy storage systems.

INFO@AZOTEQ.COM

Model	AZBAT24100A
Battery type	Lithium Iron Phosphate (LiFePO4)
Nominal voltage	25.6V
Nominal Capacity	2.56kWh
Cycle life @ 80% DoD	3 000
Dimensions	185mm (W) x 500mm (L) x 180mm (H)
Weight	±25kg

Azoteq

* For Illustration purposes only

- > 25.6V; 100Ah Lithium Iron Phosphate
- > Powder-coated Steel casing
- > Voltage display
- > Internal battery management system
- > Low Power Sleep Mode
- > Lead acid battery replacement

GENERAL	
Model	AZBAT24100A
Battery Type	LiFePO4
Nominal Voltage	25.6V
Nominal Capacity	2.56kWh | 100Ah
Cycle life @ 80% DoD*	3 000 cycles (@ 0.3C; 25°C)
Recommended DoD	80%
Operating Temperature	0°C to 45°C
Dimensions [mm]	185(W) x 500(L) x 180(H)
Weight	±25kg
IP Rating	20
Storage conditions	-20°C to 60°C (less than 6 months)
CHARGE AND DISCHARGE	
Charge voltage	28.0V
Float/Sustain Voltage	27.4V
Recommended Charge Current	30A (0.3C)
Maximum Charge Current	50A (0.5C)
Recommended Discharge Current	≤50A (0.5C)
Maximum Discharge Current	≤95A (0.95C)
BMS	
Parallel Connection	Maximum of 4
Series Connection	Maximum of 2 **
Protection	Over Current Charge and Discharge Over and Under Voltage Short Circuit (automatic reset) Over and Under Temperature
CERTIFICATION	
Standards#	IEC 62619 UN 38.3
IMPORTANT	
Exposure	Do not expose the LCD display to direct sunlight
Charging temperature	Optimal charging temperature 15-30°C
Long term storage	SoC > 50%
General	Install protection as per applicable wiring codes and standards (i.e. a fuse)

* Estimated cycles @ 25°C
Refer to warranty conditions document.
** Battery Balancer is required
# Compliant to these standards, certification in progress

Azoteq