ENLiFEN 12V25Ah

12EL02526

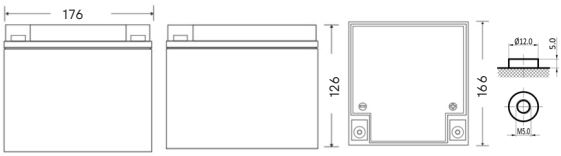
- Valen ENLiFEN range features a Lithium Phosphate (LiFe PO4) battery constructed utilising individual 3.2V3200mAh cells in series and parallel.
- Superior life with an expectancy of 6 to 10 times more than standard AGM batteries.
- Up to two thirds lighter in weight than standard AGM batteries.
- Safer battery option as the customised built-in Valen ENLiFEN BMS prevents short circuit, over-voltage and over-discharge, as well as thermal runaway.

- Customisation allows the Valen ENLiFEN to be fitted into areas standard VRLA batteries cannot be utilised due to size restrictions.
- Maintenance-free battery range dramatically reduces the time spent on site for battery-related issues

12EL02526

BATTERY SPECIFICATIONS

Dimensions



Specifications

Nominals Voltage	12 Volt nominal
Capacity	25Ah
BMS	Internal
Chemistry	Lithium Iron Phosphate (LiFEPO4)
Dimensions	176(L) x 166(W) x 126(H)
Weight	3.5kg
Terminal	M5
Container/Cover	ABS
Internal Resistance	
Cycle Life	
Passive Protection Function	
Charge Voltage	14.4V ± 0.15V
Charge Mode	≤5A
Charge Current	14.4A
Max. Charge Current	15A-20A (≤2min)
Continuous Discharge Current	5A
Max. Continuous Discharge Current	8V
Max. Pulse Current	
Discharge Cut-off Voltage	
Charge Temperature	0°C to +45°C
Discharge Temperature	-10°C to +60°C
Storage Temperature	-20°C to +40°C

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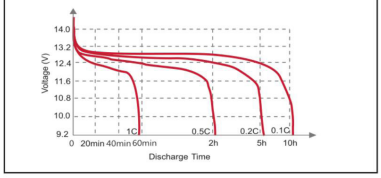
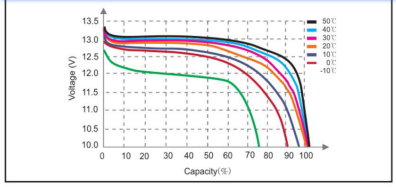
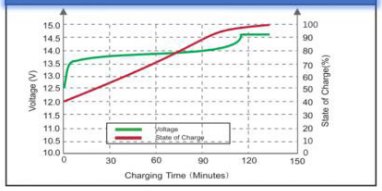
Different Rate Discharge Curve(25℃)



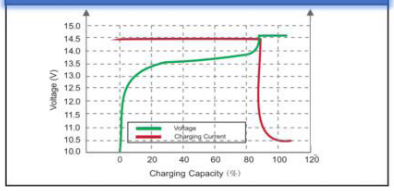
Different Temperature Discharge Curve (0.5C)



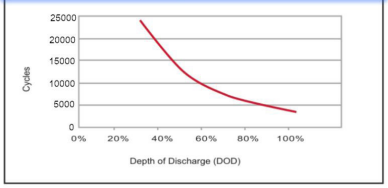
State of Charge Curve (0.5C, 25℃)



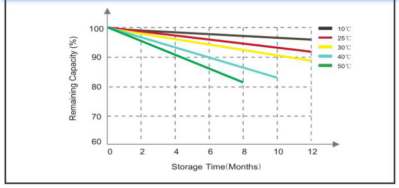
Charging Characteristics (0.5C,25℃)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



Disclaimer:
While Valen have taken every effort to represent the ENLiFEN PO4 accurately within this specification, Valen advise the user to ascertain their own measurements and test the parameters and specifications to which the battery must conform. The Lithium battery technology is rapidly being developed and research is continually carried out to ensure that the ENLiFEN PO4 battery will meet the needs of a growing market.

Specifications subject to change without notice.

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