

# 18ah (12V) AGM Deep Cycle GEL Battery | EPS1218 DC GEL

## EPST<sup>™</sup> General Series VRLA Battery

The EPST<sup>™</sup> series offers 5 years full maintenance free design life, with optimum design and good reliability. This series is highly suited for security and alarm systems, UPS systems, emergency light systems and other small back-up applications.

### Maintenance & Cautions

- Ensure all batteries operating in a series-based connection are not charged excessively
- Ensure all batteries operating in a series-based connection are not discharged excessively
- Batteries must be charged with the correct voltage
- Recharge capacity will be 1.1-1.15 times the discharge capacity
- Effect to temperature on cycle charge voltage: -5Mv/degrees per cell
- It is imperative that the battery is always in an upright position and never on its side

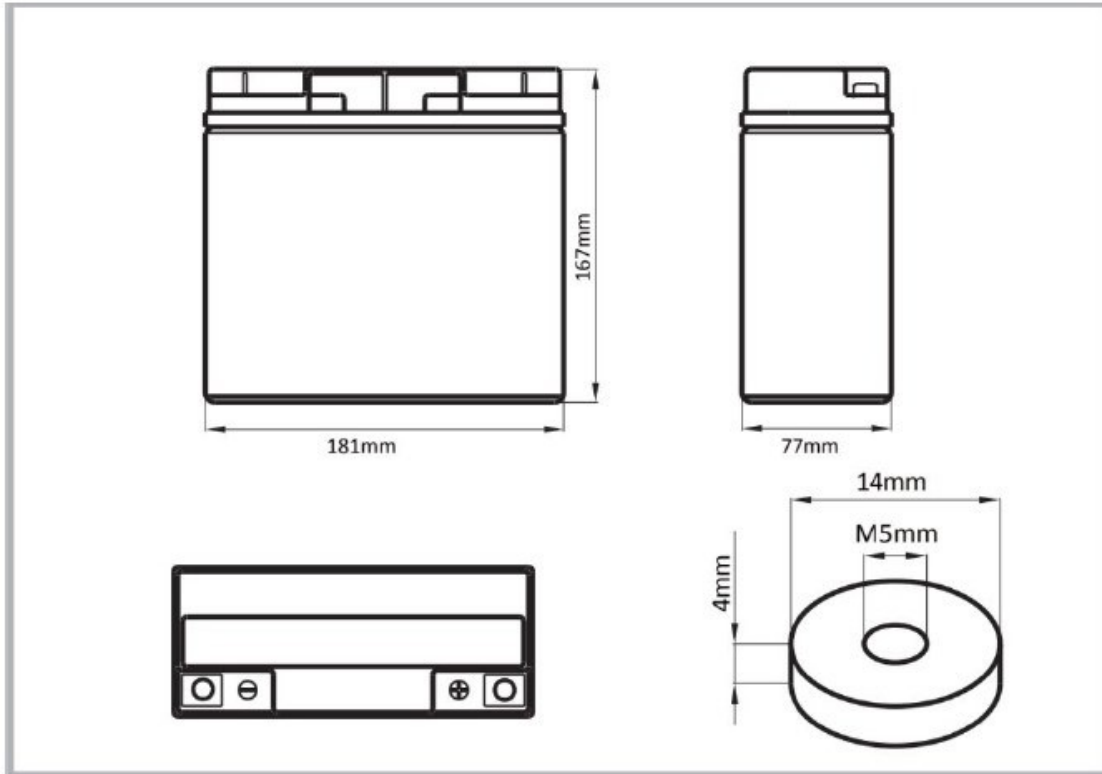
### Factors Affecting Battery Life

- Depth of discharge
- Temperature
- Recharge rate
- *Refer to Technical Specifications\**



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## Battery Dimensions



## Technical Specifications

### Physical Attributes

Dimension (mm)	L181mm x W77mm x H167mm
Approximate Weight	5.25 kg (11.7 lbs)

### Voltage & Designations

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Nominal Voltage (V)	12 (6 Cells per unit)
Designed Floating Life (20°C)	5 Years
Nominal Capacity (20°C)	18 Ah @ 20HR-rate (to 1.75Vpc)
Terminal Type	Female Copper Insert M5 (torque: 6~7N.m)
Internal Resistance	Approximately 0.012 Ohm (fully charged @ 20°C)
Max. Charge Current	5.7A
Max. Discharge Current (5S)	270A
Short Circuit Current	1000A
Self Discharge	Approximately 3% per month @ 20°C
Ambient Temperature	Discharge: -15~50°C Charge: -15~40°C Storage: -15~40°C
Float Charge Voltage (20 - 25°C)	13.6-13.8V (-3mV/ cell/ °C)
Equalize and cycle Use Charge Voltage (20 -25°C)	14.4-14.8V (-5mV/ cell/ °C)
Container Material	ABS (UL94-V0 optional)

