

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

EPST[™] General Series VRLA Battery

The EPST[™] series from GSS, 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 backup 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 of temperature on cycle charge voltage: -5mV/degrees per cell;
- It is imperative the battery is always in an upright position and never on its side.

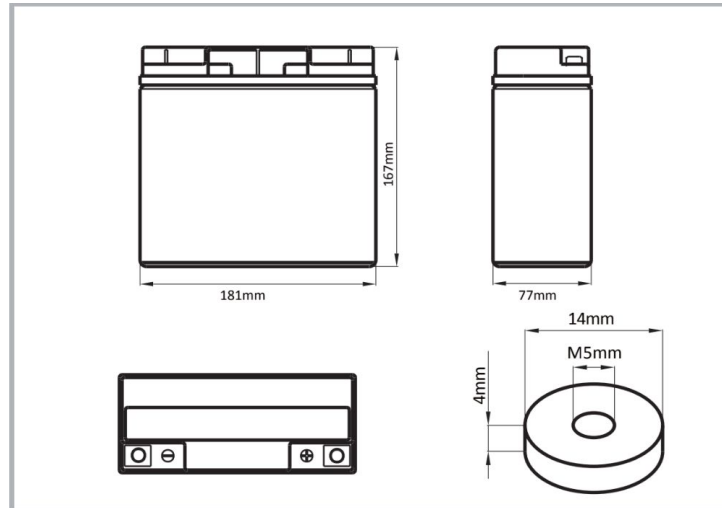
Factors Affecting Battery Life

- 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	
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 0.012mΩ (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

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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 & Cycle Use Charge Voltage (20 -25°C)	14.4-14.8V (-5mV/ cell/ °C)
Container Material	ABS (UL94-V0 optional)

