

Battery Specification Sheet

SLA1079

Technical Specifications

Nominal Voltage	12 V
Nominal Capacity	8.0 Ah (20 Hr Rate)
Chemistry	Lead Acid - AGM

Physical Specifications

Length:	151 mm	5.94 in.
Width:	65 mm	2.56 in.
Height:	96 mm	3.78 in.
Height w/ Terminal:	103 mm	4.06 in.
Weight	2.35 kg	5.18 lbs.
Terminal Type	.250" Faston	
Case Material	Black ABS	

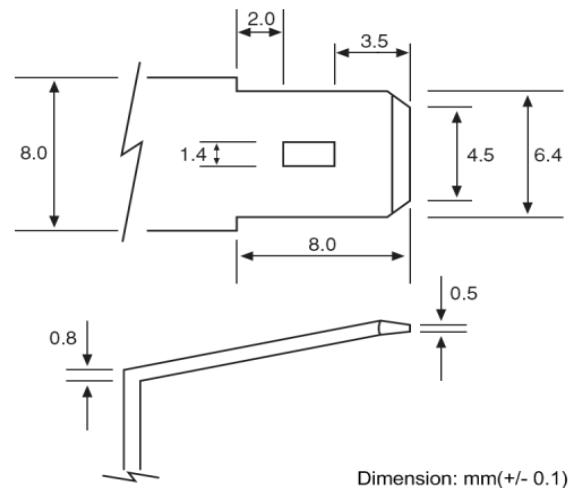
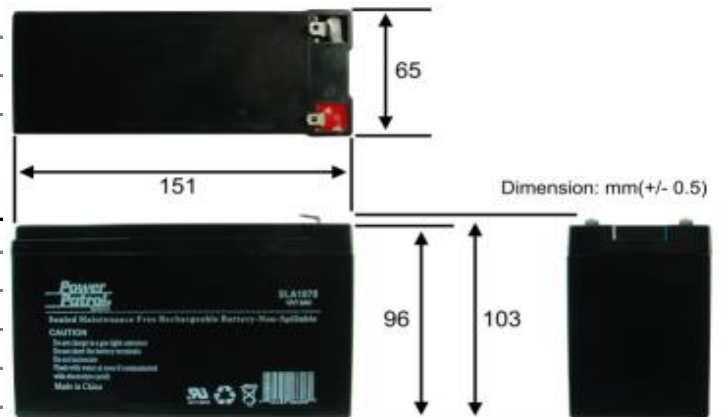
Charging Specifications

Max. Charge Current	2.16 A
Approx Final Charge Current (2.25 volts/cell Float)	0.014 A
Approx Final Charge Current (2.45 volts/cell Cycle)	0.07 A

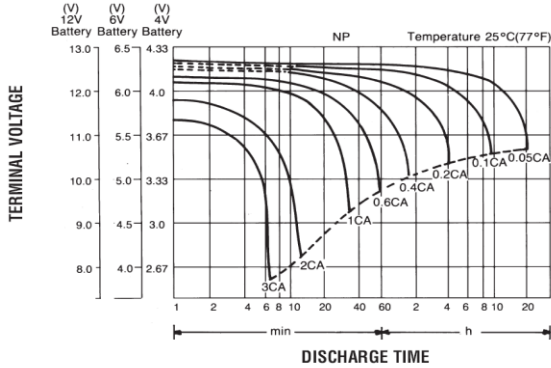
Capacity Specifications

Cut-off Voltage	20 Hr Rate (.36A)	8.0 Ah	
1.75 volts/cell @ 25°C	10 Hr Rate (.65A)	6.5 Ah	
1.70 volts/cell @ 25°C	5 Hr Rate (1.14A)	5.7 Ah	
1.55 volts/cell @ 25°C	1 Hr Rate (4.1A)	4.1 Ah	
	Bloc	Per Cell	
Charge Voltage (constant)	Float	13.5~13.8	2.25~2.30
	Cycle	14.4~14.7	2.40~2.45
Discharge Current (5 seconds maximum)			80 A
Discharge Current (maximum continuous)			50 A
Self Discharge (to 80% capacity)	9 months @ 21°C		
Internal Resistance			25 mΩ

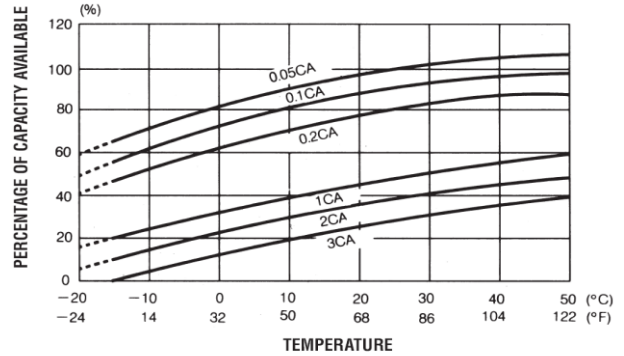
Due to changes in the manufacturing processes, specifications are subject to change without notice



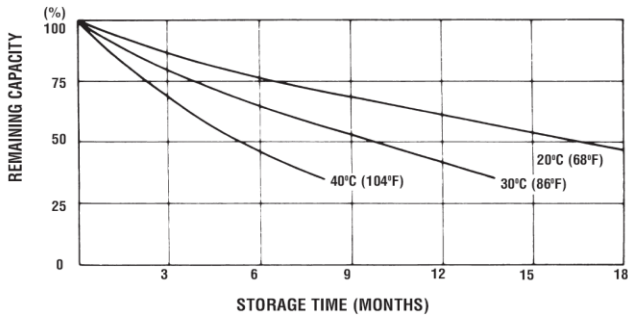
DISCHARGE CHARACTERISTIC CURVES AT 25°C (77°F)



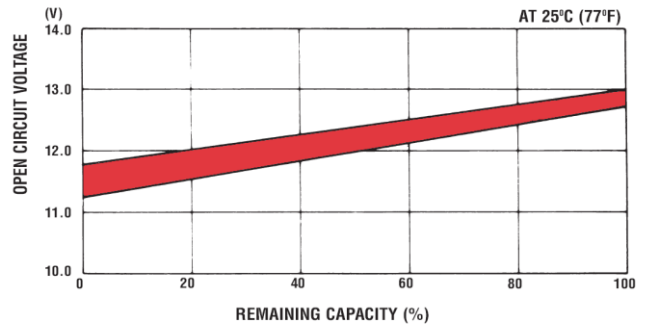
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



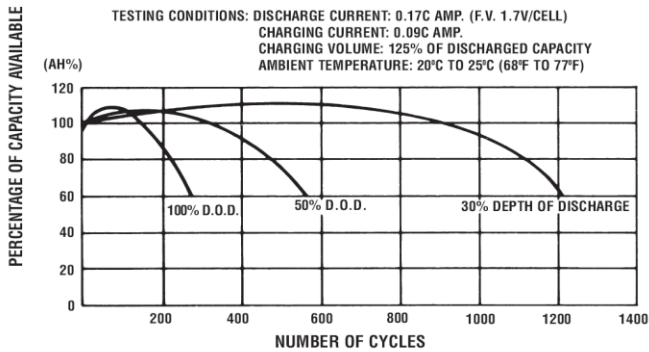
SELF DISCHARGE CHARACTERISTICS



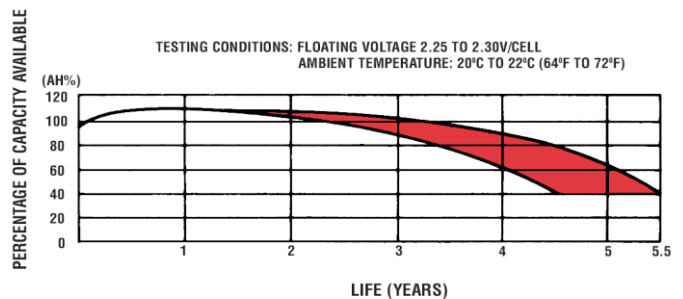
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



FLOAT SERVICE LIFE



CAUTION: Do not charge in a sealed container. Avoid Short Circuit. Before using this battery in high current applications(>3C), consult with Interstate Batteries.

Notes: Leak-proof/spill-proof. Most SLA(Sealed Lead Acid) batteries now use AGM(Absorbent Glass Mat) technology which has largely replaced the old "gel" technology. In an AGM battery, fiberglass mats absorb the acid and hold it against the lead plates inside the battery. Because the acid is absorbed by the sponge-like mats, it will not leak or spill (provided proper charging and usage instructions are followed). Additional safety features include the use of special sealing epoxies, tongue-and-groove case and cover construction as well as long sealing paths for post and connectors. Our AGM batteries are approved for all modes of transport(water, road, rail, air, etc.).