



Battery Specification Sheet

SLA1097

Technical Specifications

Nominal Voltage	12 V
Nominal Capacity	10.0 Ah (20 Hr Rate)
Chemistry	Lead Acid - AGM

Physical Specifications

Length:	151 mm	5.94 in.
Width:	65 mm	2.56 in.
Height:	111 mm	4.37 in.
Height w/ Terminal:	117 mm	4.61 in.
Weight	3.30 kg	7.28 lbs.
Terminal Type	.250" Faston	
Case Material	Black ABS	

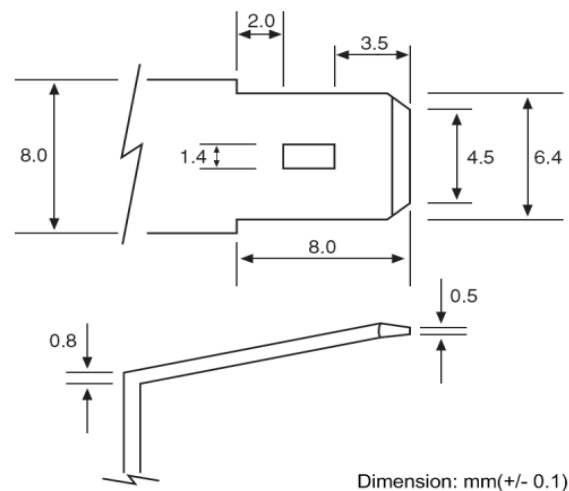
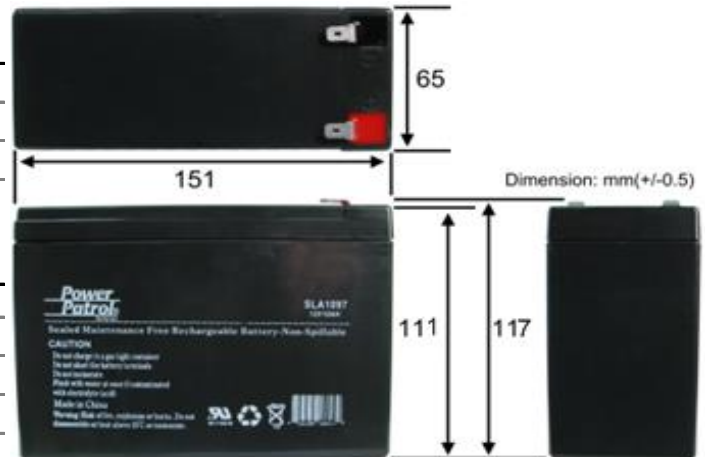
Charging Specifications

	Bloc	Per Cell
Charge Voltage	Float 13.5~13.8	2.25~2.30
(constant)	Cycle 14.4~14.7	2.40~2.45
Max. Charge Current	4.0 A	
Approx Final Charge Current (2.25 volts/cell Float)	0.02 A	
Approx Final Charge Current (2.45 volts/cell Cycle)	0.1 A	

Capacity Specifications

Cut-off Voltage	20 Hr Rate (.50A)	10 Ah
1.75 volts/cell @ 25°C	10 Hr Rate (.93A)	9.3 Ah
1.70 volts/cell @ 25°C	5 Hr Rate (1.70A)	8.5 Ah
1.55 volts/cell @ 25°C	1 Hr Rate (6.0A)	6.0 Ah
Discharge Current	100 A	
(5 seconds maximum)		
Discharge Current	58 A	
(maximum continuous)		
Self Discharge	9 months @ 21°C	
(to 80% capacity)		
Internal Resistance	18 mΩ	

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



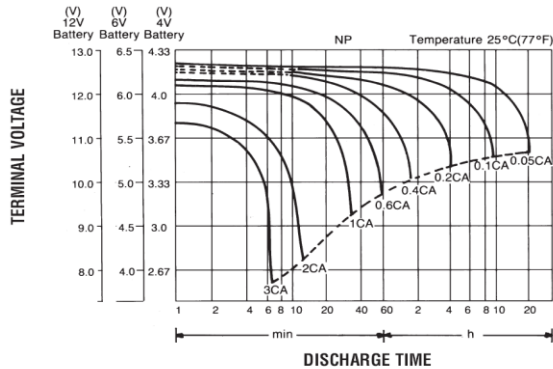


LIFE SAFETY CONSULTANTS

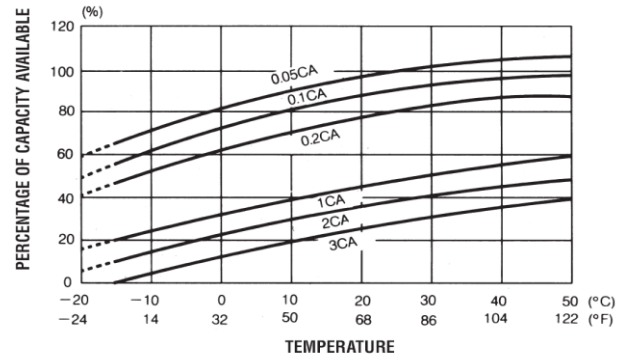
Battery Specification Sheet

SLA1097

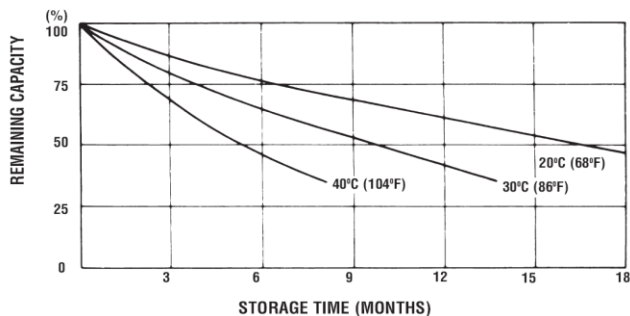
DISCHARGE CHARACTERISTIC CURVES AT 25°C (77°F)



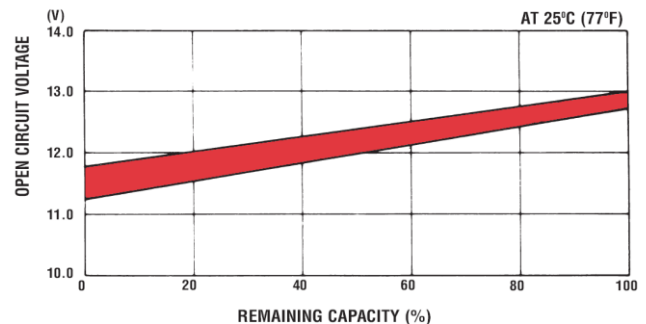
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



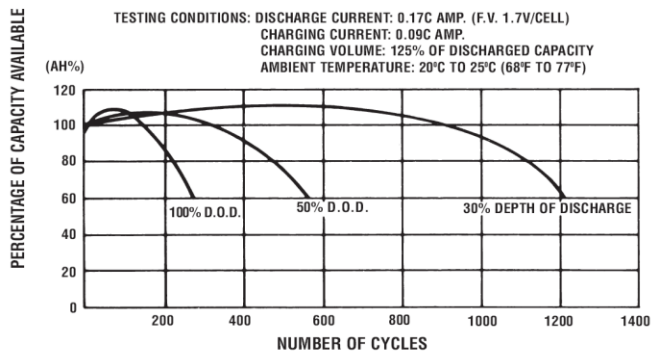
SELF DISCHARGE CHARACTERISTICS



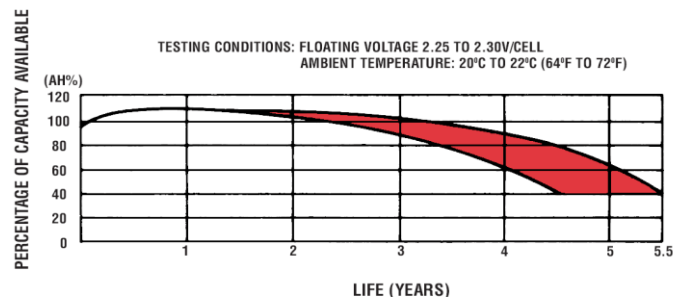
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



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).

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.).

www.lifesafetycom.com