



12V

100Ah

Lead
Carbon

AGM

12SLR100DC

Rechargeable Lead Carbon AGM Battery

SPECIFICATIONS

Nominal Voltage 12V

Nominal Capacity

10 hour rate	(10A to 10.80V)	100Ah
5 hour rate	(17A to 10.20V)	85Ah
1 hour rate	(60A to 9.60V)	60Ah
1C	(100A to 9.60V)	63.3Ah

Weight Approx. 31.2kg

Internal Resistance (at 1KHz) Approx. 5mΩ

Maximum Discharge Current (5 secs) 600A

Charge Methods at 25°C

Cyclic Use

Charging Voltage	14.4V to 15.0V
Coefficient -5.0mV/°C/Cell	
Maximum Charging Current	30A

Standby Use

Float Charging Voltage	13.5V to 13.8V
Coefficient -3.0mV/°C/Cell	

Operating Temperature Range

Charge	-15°C to 50°C*
Discharge	-15°C to 50°C
Storage	-15°C to 40°C

Charge Retention (Shelf Life) at 20°C

1 month	98%
3 months	94%
6 months	85%

Case Material ABS UL94 HB

Termination F8 (M6 Bolt)

Description of Torque Value of Hardware for the Terminals

Recommended Torque Value	M6: 7 N-m (71kgf-cm)
Max. Allowable Torque Value	M6: 10 N-m (102kgf-cm)

Classified as a non-spillable battery.

Approved for transportation by:

- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)



Barcode

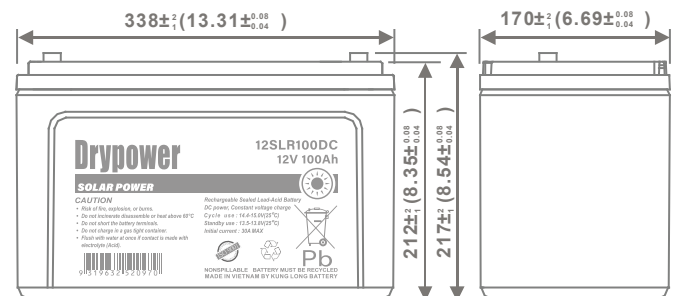
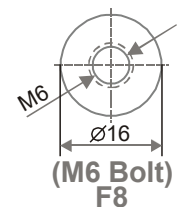


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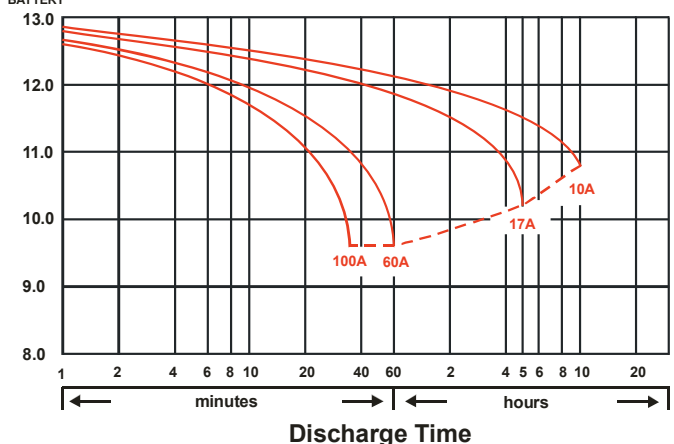
DIMENSIONS

mm (inch)



(V)
FOR 12V
BATTERY

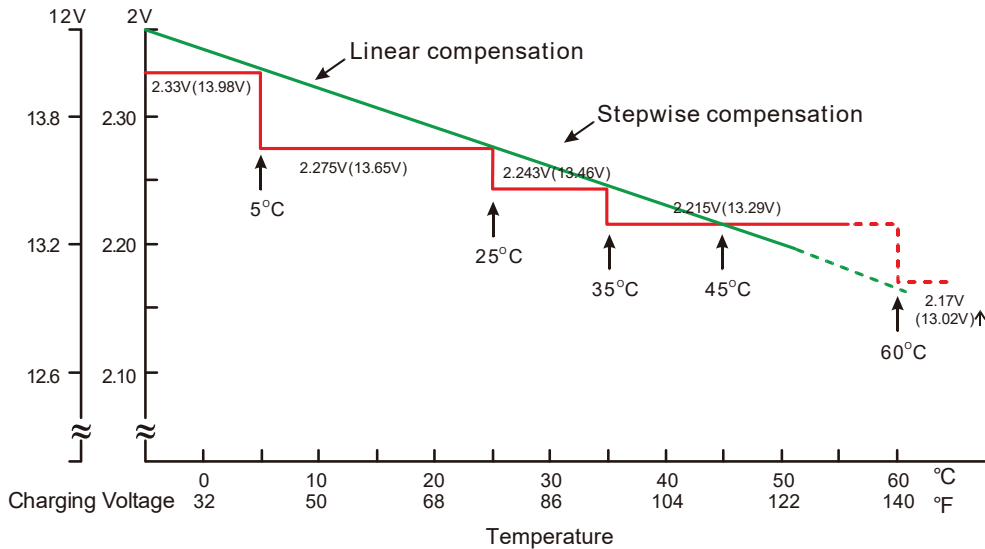
Discharge Time VS. Discharge Current (25°C)



* If charging above 40°C, always use temperature-compensated charging (refer charge methods above). High temperature use accelerates ageing; as a general guide, service life halves for every 10°C sustained rise above 25°C. Consult the engineers at MI for more information if required.

CHARACTERISTICS CHARTS

Relationship Between Temperature and Charging Voltage

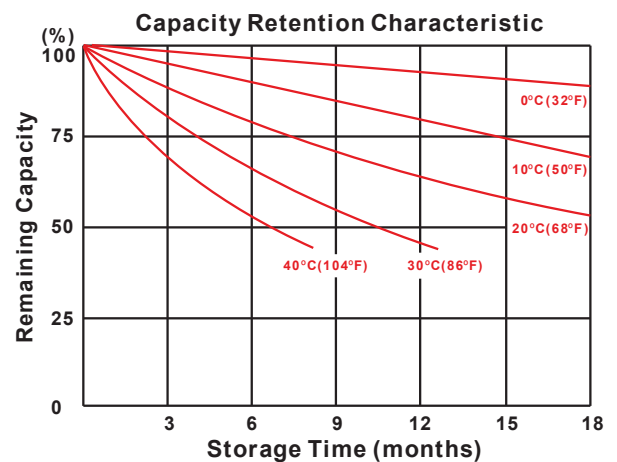
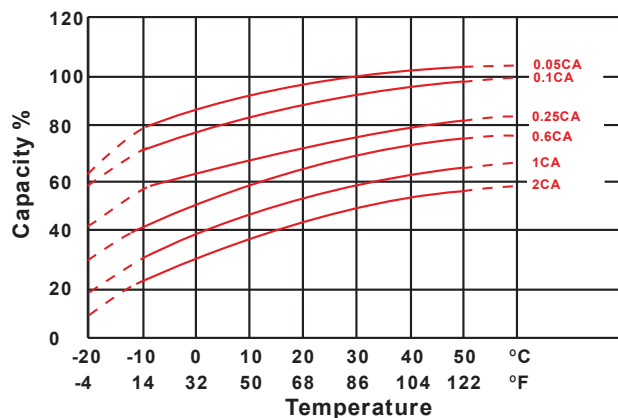


FEATURES & BENEFITS

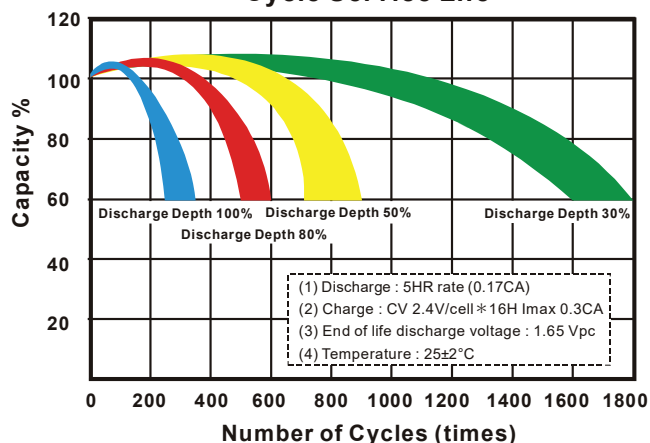
- ◆ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ◆ Lead Carbon negative plate for better partial SOC performance and reduced sulphation meaning longer service life.
- ◆ Enhanced charge acceptance for quicker energy recovery best suited to renewable energy systems.
- ◆ Maintenance free technology and non-spillable design.
- ◆ Extremely low self discharge characteristics.
- ◆ Manufactured by Kung Long Battery (KLB) at facilities in Taiwan and Vietnam. KLB is a leading manufacturer and complies with relevant international quality standards including ISO9001, CE ETL9000, UL1989, OHSAS18001 and ISO17025. KLB supports Green Sustainable supply chain practices.



Effect of Temperature on Capacity 25°C(77°F)



Cycle Service Life



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Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.