



12V

24Ah

SLA

CYCLIC
AGM

12SB24C

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage		12V
Nominal Capacity		
20 hour rate	(1.20A to 10.50V)	24Ah
10 hour rate	(2.28A to 10.50V)	22.8Ah
5 hour rate	(4.08A to 10.20V)	20.4Ah
1C	(24A to 9.60V)	13.6Ah
3C	(72A to 9.60V)	9.6Ah
Weight		Approx. 7.14kg
Internal Resistance (at 1KHz)		Approx. 8mΩ
Maximum Discharge Current (5 secs)		360A
Charge Methods at 25°C		
Cycle Use		
Charging Voltage		14.4V to 15.0V
Coefficient	-5.0mV/°C/Cell	
Maximum Charging Current		7.2A
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		92%
3 months		90%
6 months		80%
Case Material		ABS UL94 HB
Termination		F6 (M5 Bolts)

Description of Torque Value of Hardware for the Terminals

Recommended Torque Value	M5: 5 N-m (51kgf-cm)
Max. Allowable Torque Value	M5: 6 N-m (61kgf-cm)

Design Life 3-5 years

Classified as a non-spillable battery.

Approved for transportation by:

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



Barcode

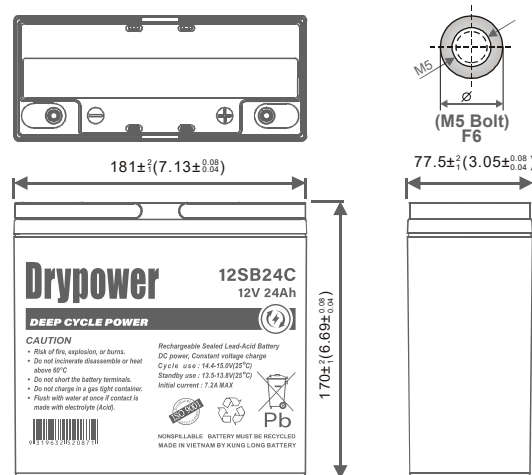


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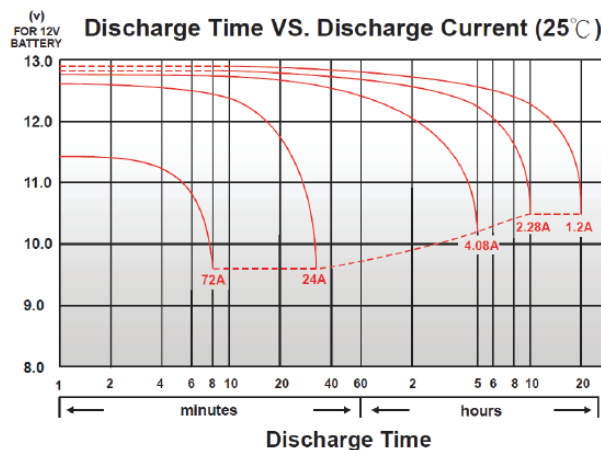


DIMENSIONS

mm (inch)



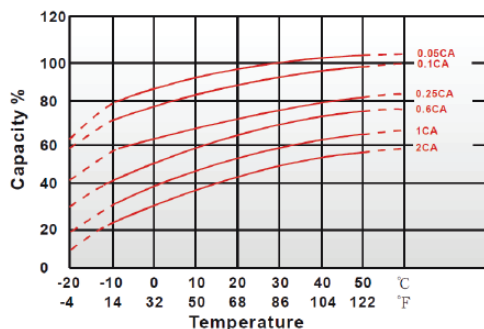
Discharge Time VS. Discharge Current (25°C)



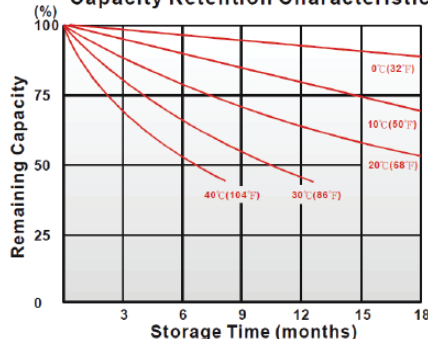
* If charging above 40°C, always use temperature-compensated charging (refer charge methods above). High temperature use accelerates ageing; as a general guide, service life halves for every 10°C sustained rise above 25°C. Consult the engineers at MI for more information if required.

CHARACTERISTICS CHARTS

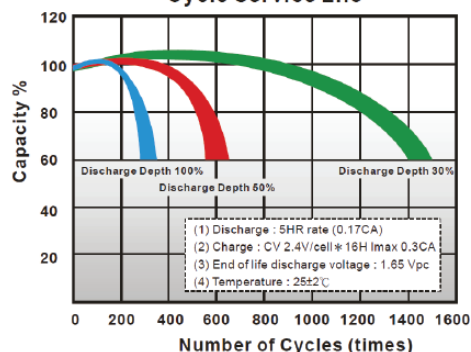
Effect of Temperature on Capacity 25°C(77°F)



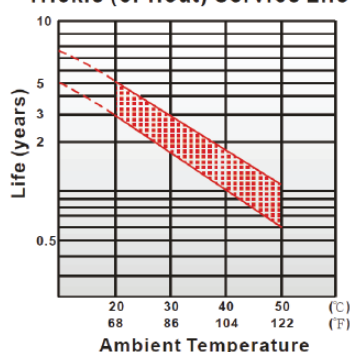
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



FEATURES & BENEFITS

- ♦ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ♦ Special grid frame alloy design with outstanding anti-corrosion performance.
- ♦ Maintenance free technology and non-spillable design.
- ♦ Suitable for use in any orientation (except inverted) for use in hard to reach locations.
- ♦ Higher percentage of tin content compared with the industry standard. Tin extends battery standby life by minimising sulphation (corrosion) especially at higher temperatures.
- ♦ 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.

