

Drypower

FRONT TERMINAL LONG LIFE RANGE
STANDBY LONG LIFE POWER



12V

50Ah

SLA

AGM

12TP50FT-FR

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage 12V

Nominal Capacity

20 hour rate	(2.5A to 10.5V)	50Ah
10 hour rate	(4.75A to 10.5V)	47.5Ah
5 hour rate	(8.5A to 10.2V)	42.5Ah
1C	(50A to 9.6V)	31.67Ah
3C	(150A to 9.6V)	20Ah

Weight Approx. 15kg

Internal Resistance (at 1KHz) Approx. 5mΩ

Maximum Discharge Current (5 secs) 300A

Charge Methods at 25°C

Cycle Use

Charging Voltage 14.4V to 15.0V

Coefficient -5.0mV/°C/Cell

Maximum Charging Current

15A

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 UL94 V-0 Flame Retardant

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)

Design Life 12 Years

Classified as a non-spillable battery.

Approved for transportation by:

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



Barcode



9319632520918

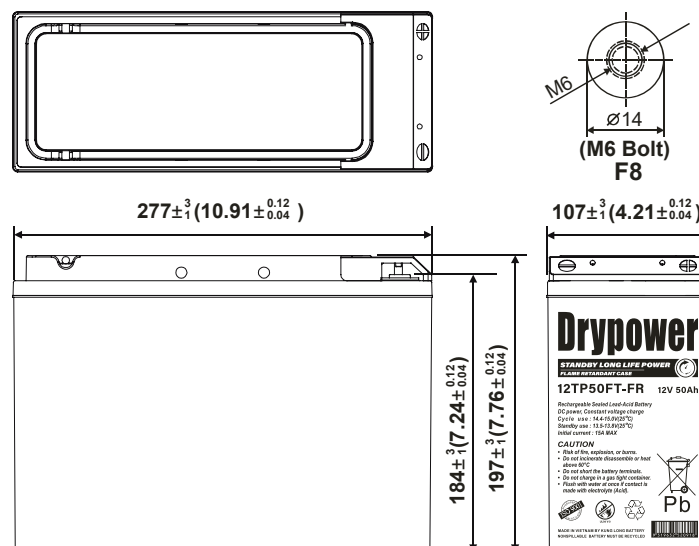
* If charging above 40°C, always use temperature-compensated charging (refer charge methods above). High temperature use accelerates ageing; as a general guide, service life halves for every 10°C sustained rise above 25°C. Consult the engineers at MI for more information if required.



UL94 V-0
FLAME RETARDANT
CASE

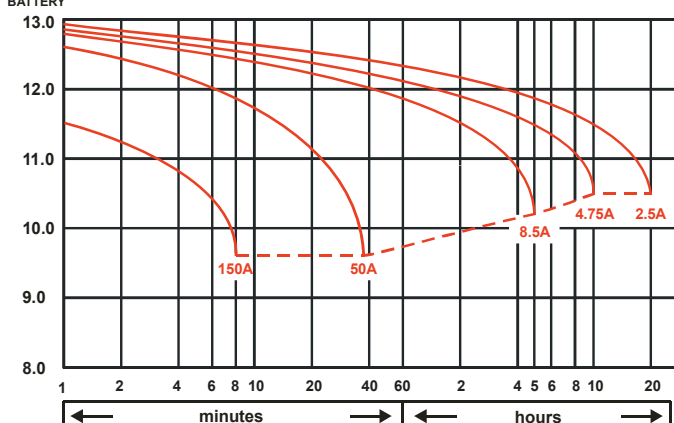
DIMENSIONS

mm (inch)



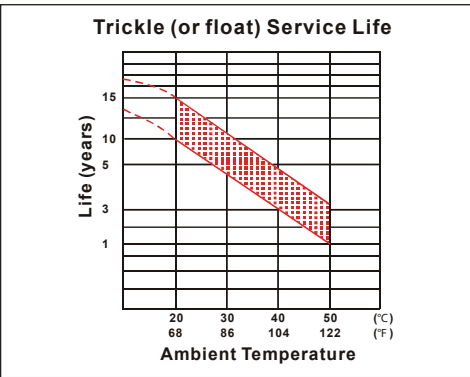
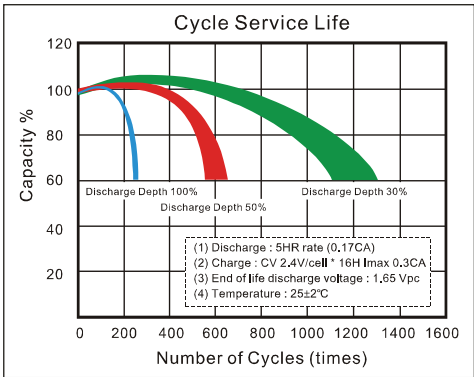
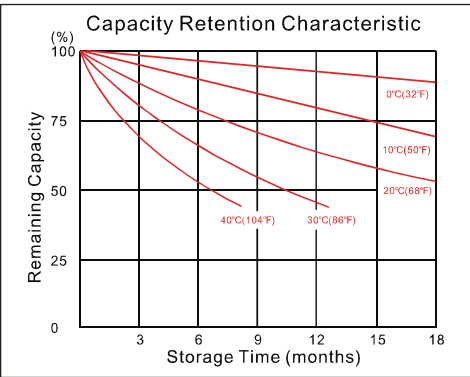
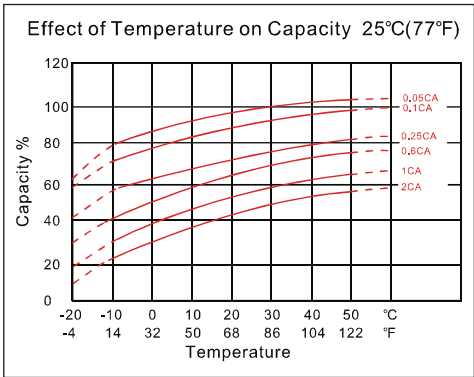
(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (20°C)



Discharge Time

CHARACTERISTICS CHARTS



FEATURES & BENEFITS

- ◆ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ◆ Long service life to reduce maintenance and logistical costs across telecom, utilities and off-grid applications.
- ◆ Minimises sulphation with a thicker plate design and higher percentage of tin content to maximise battery standby life.
- ◆ High rate discharge capable to ensure reliable performance.
- ◆ Maintenance free technology and non-spillable design.
- ◆ 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.



PERFORMANCE DATA

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.