



12V

12Ah

SLA

AGM

12SB12TL

Rechargeable AGM Sealed Lead Acid Battery

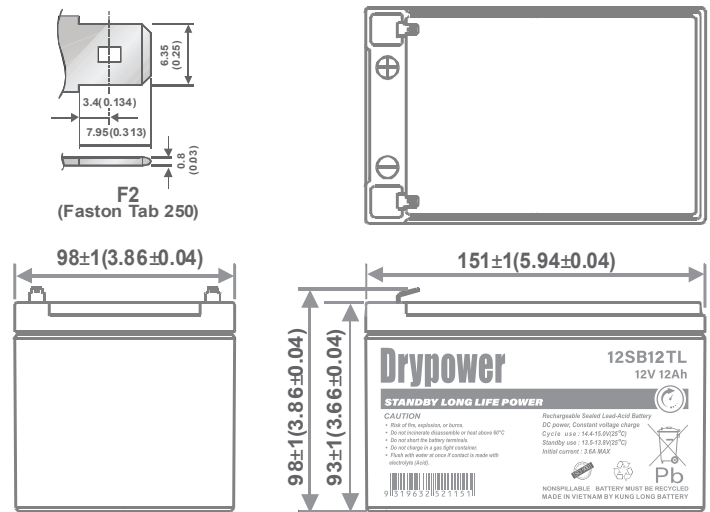
SPECIFICATIONS

| | | |
|--|-----------------|--|
| Nominal Voltage | 12V | |
| Nominal Capacity | | |
| 20 hour rate (0.6A to 10.50V) | 12Ah | |
| 10 hour rate (1.14A to 10.50V) | 11.4Ah | |
| 5 hour rate (2.04A to 10.20V) | 10.2Ah | |
| 1C (12A to 9.60V) | 7.6Ah | |
| 3C (36A to 9.60V) | 4.8Ah | |
| Weight | Approx. 4.02kg | |
| Internal Resistance (at 1KHz) | Approx. 11mΩ | |
| Maximum Discharge Current (5 secs) | 180A | |
| Charge Methods at 25°C | | |
| Standby Use | | |
| Float Charging Voltage | 13.5V to 13.8V | |
| Coefficient -3.0mV/°C/Cell | | |
| Maximum Charging Current | 3.6A | |
| Operating Temperature Range | | |
| Charge | -15°C to 40°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 | F2 (Faston 250) | |



DIMENSIONS

mm (inch)



Description of Torque Value of Hardware for the Terminals

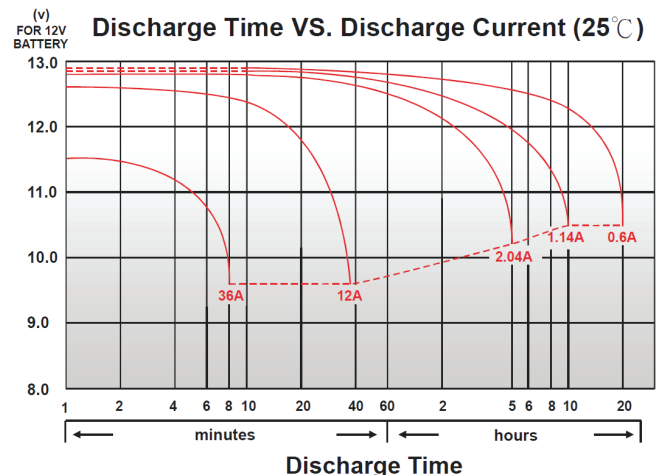
Recommended Torque Value: N/A
 Max. Allowable Torque Value: N/A

Design Life
 Expected Trickle Design Life: 6-9 years at 20°C

Classified as a non-spillable battery.
Approved for transportation by:
 • Air (IATA/ICAO provision A67)
 • Road
 • Sea (per IMDG Special Provision 238)

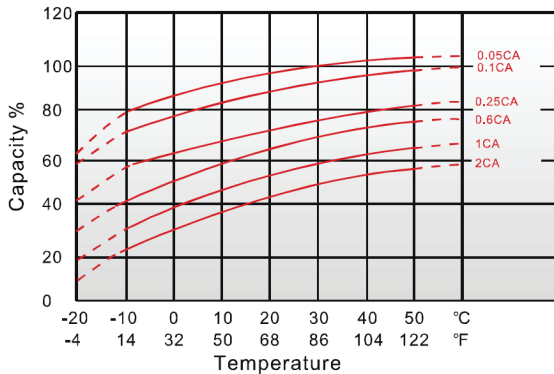


Barcode
 9319632521151

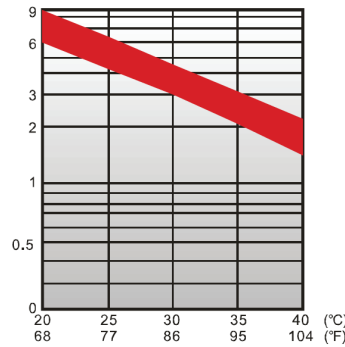


CHARACTERISTICS CHARTS

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



Trickle (or float) Service Life

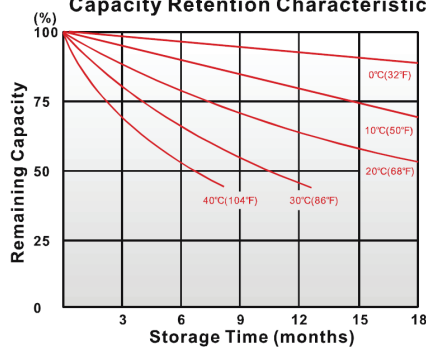


FEATURES & BENEFITS

- ◆ 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.



Capacity Retention Characteristic



PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

| End Voltage | | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 77.2 | 84.2 | 89.3 | 94.8 | 97.3 | 99.7 | 105 |
| 10 | min | 56.5 | 60.3 | 63 | 65.3 | 66.2 | 67.5 | 68.8 |
| 15 | min | 42.2 | 45.3 | 47.2 | 48.5 | 49.2 | 49.8 | 51 |
| 30 | min | 26.7 | 28 | 29 | 30 | 30.3 | 30.7 | 31.2 |
| 60 | min | 14.9 | 15.9 | 16.6 | 17.2 | 17.3 | 17.5 | 17.7 |
| 120 | min | 7.8 | 8.6 | 9.02 | 9.22 | 9.28 | 9.38 | 9.52 |
| 180 | min | 5.4 | 6.15 | 6.53 | 6.68 | 6.97 | 7.1 | 7.2 |
| 240 | min | 4.43 | 4.97 | 5.22 | 5.37 | 5.43 | 5.52 | 5.62 |
| 300 | min | 4.12 | 4.35 | 4.51 | 4.65 | 4.72 | 4.77 | 4.83 |
| 600 | min | 2.43 | 2.55 | 2.62 | 2.66 | 2.68 | 2.7 | 2.72 |
| 1200 | min | 1.29 | 1.31 | 1.35 | 1.37 | 1.39 | 1.4 | 1.43 |

Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

| End Voltage | | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 37.8 | 41.8 | 44.6 | 47.5 | 48.8 | 50.1 | 52.7 |
| 10 | min | 28.1 | 30.3 | 31.5 | 32.7 | 33.2 | 33.8 | 34.6 |
| 15 | min | 21.3 | 22.6 | 23.7 | 24.6 | 25 | 25.4 | 26.1 |
| 30 | min | 12.6 | 13.5 | 14.1 | 14.6 | 14.8 | 15 | 15.3 |
| 60 | min | 8.55 | 8.74 | 8.86 | 8.97 | 9.02 | 9.08 | 9.16 |
| 120 | min | 4.71 | 4.84 | 4.95 | 5.04 | 5.08 | 5.13 | 5.18 |
| 180 | min | 3.14 | 3.33 | 3.4 | 3.46 | 3.49 | 3.52 | 3.56 |
| 240 | min | 2.15 | 2.26 | 2.35 | 2.42 | 2.45 | 2.49 | 2.74 |
| 300 | min | 1.98 | 2.06 | 2.12 | 2.18 | 2.2 | 2.23 | 2.27 |
| 600 | min | 1.19 | 1.22 | 1.24 | 1.26 | 1.27 | 1.28 | 1.29 |
| 1200 | min | 0.619 | 0.626 | 0.645 | 0.654 | 0.661 | 0.669 | 0.683 |

All data on the spec. sheet is an average value:

The tolerance range : X < 6min (+15%~-15%), 6min ≤ X < 10min (+12%~-12%), 10min ≤ X < 60min (+8%~-8%), X ≥ 60min (+5%~-5%)

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