



12V

34Ah

SLA

CYCLIC
AGM

12SB34C

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage 12V

Nominal Capacity

20 hour rate	(1.70A to 10.50V)	34Ah
10 hour rate	(3.23A to 10.50V)	32.3Ah
5 hour rate	(5.78A to 10.20V)	28.9Ah
1C	(34A to 9.60V)	19.27Ah
3C	(102A to 9.60V)	13.6Ah

Weight Approx. 10.5kg

Internal Resistance (at 1KHz) Approx. 11mΩ

Maximum Discharge Current (5 secs) 510A

Charge Methods at 25°C

Cycle Use	
Charging Voltage	14.4V to 15.0V
Coefficient -5.0mV/°C/Cell	
Maximum Charging Current	10.2A
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 Bolt)

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)

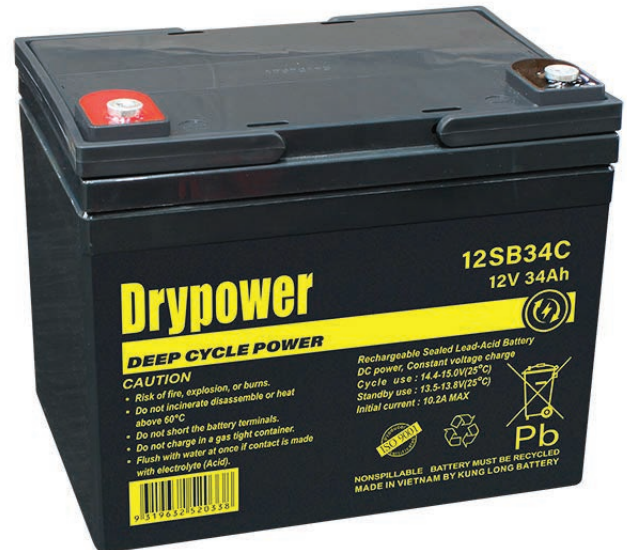


Barcode



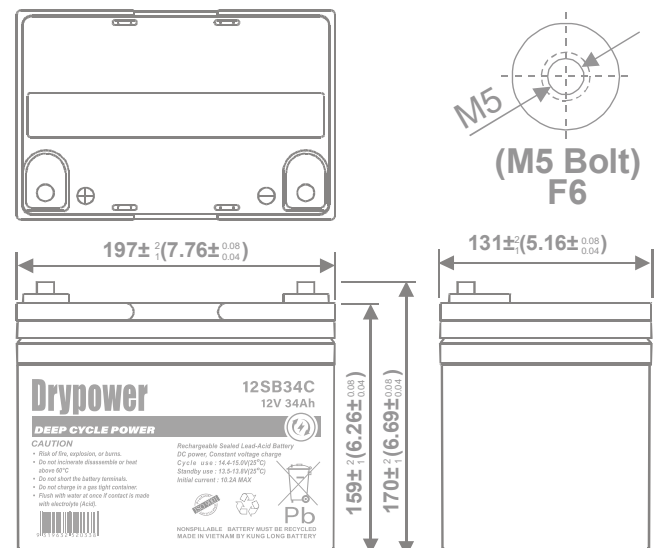
9319632520338

* 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.

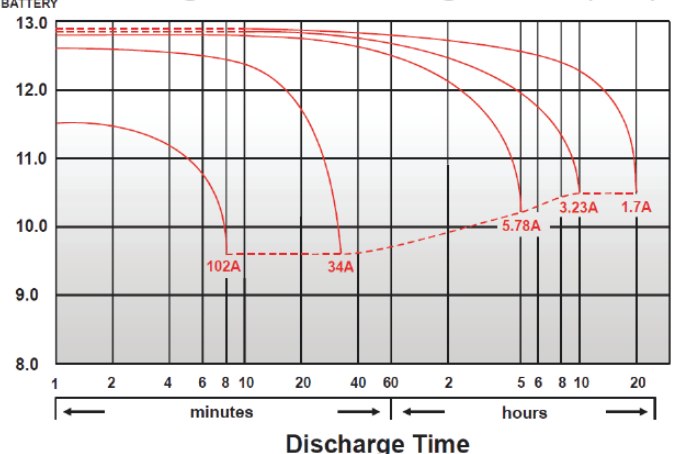


DIMENSIONS

mm (inch)

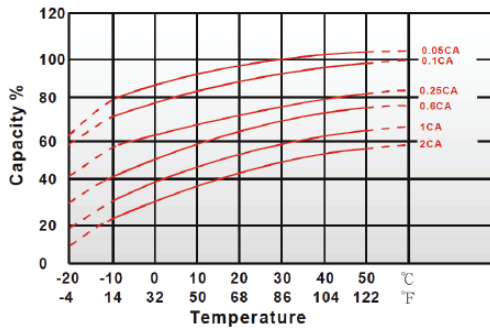


(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)

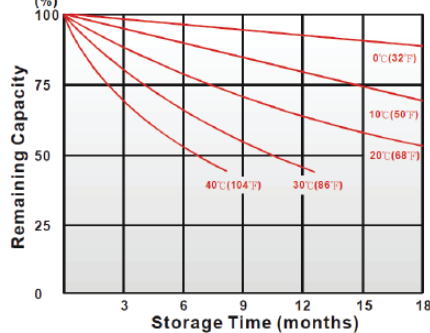


CHARACTERISTICS CHARTS

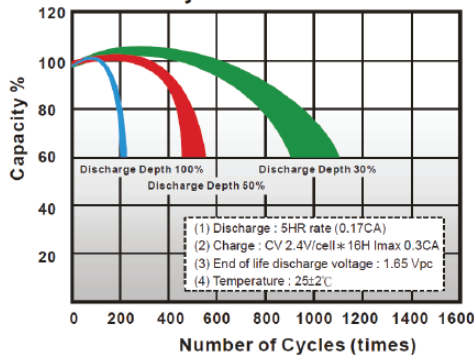
Effect of Temperature on Capacity 25°C (77°F)



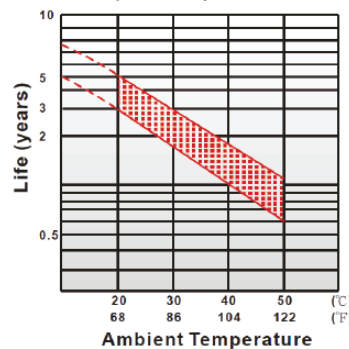
Capacity Retention Characteristic



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.



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	123	165	197	217	224	231	240
10	min	86.9	114	134	147	151	156	162
15	min	70.3	91.1	106	116	119	123	127
30	min	38.2	49.5	57.8	63	64.7	66.6	69
60	min	36.2	38.5	39.9	40.9	41.2	41.6	42
120	min	22.6	23.8	24.6	25.1	25.2	25.5	25.7
180	min	15.3	16.3	16.9	17.3	17.5	17.6	17.8
240	min	12.3	13.1	13.6	13.9	14.1	14.2	14.3
300	min	10.5	11.2	11.6	11.9	12.00	12.1	12.2
600	min	6.22	6.61	6.86	7.02	7.08	7.15	7.21
1200	min	3.26	3.47	3.6	3.68	3.72	3.75	3.78

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	88.7	109	123	132	135	139	143
10	min	61.5	71.4	77.5	81.8	83.7	86.2	89.3
15	min	51.2	58.6	63.4	66.1	66.9	67.8	69.2
30	min	29.6	33.5	35.1	36.4	36.8	37.3	37.9
60	min	17.7	19	19.9	20.6	20.8	21.1	21.4
120	min	10.6	11.4	11.9	12.3	12.4	12.6	12.8
180	min	7.86	8.37	8.73	8.99	9.06	9.14	9.27
240	min	5.91	6.35	6.73	6.92	6.97	7.04	7.15
300	min	5.38	5.66	5.82	5.95	6	6.06	6.14
600	min	3.11	3.23	3.33	3.42	3.45	3.48	3.52
1200	min	1.6	1.69	1.75	1.79	1.8	1.82	1.84

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

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)

Aug2026

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.