VRLA AGM CYCLIC RANGE EEP CYCLE POWE

SLA

CYCLIC AGM

50Ah

12V

12SB50C

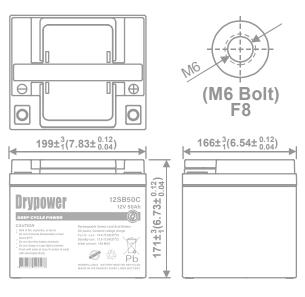
Rechargeable AGM Sealed Lead Acid Battery

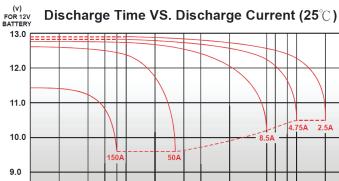
SPECIFICATIONS						
Nominal Voltage	12V					
Nominal Capacity						
20 hour rate (2.50A to 10. 10 hour rate (4.75A to 10. 5 hour rate (8.50A to 10. 1C (50A to 9.60) 3C (150A to 9.60)	50V) 47.5Ah 20V) 42.5Ah /) 28.33Ah					
Weight	Approx. 15.1kg					
Internal Resistance (at 1KHz)	Approx. 5mΩ					
Maximum Discharge Current (5 s	ecs) 600A					
Charge Methods at 25°C						
Cycle Use Charging Voltage Coefficient -5.0mV/°C/Cell	14.4V to 15.0V					
Maximum Charging Current	15A					
Standby Use Float Charging Voltage Coefficient -3.0mV/°C/Cell	13.5V to 13.8V					
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 2 1 month 3 months 6 months Case Material	98% 94% 85% ABS UL94 HB					
Termination	F8 (M6 Bolt)					
Description of Torque Value of H	ardware for the Terminals					
Recommended Torque Value Max. Allowable Torque Value	M6: 7 N-m (71kgf-cm) M6: 9 N-m (92kgf-cm)					
Design Life	3-5 years					
Classified as a non-spillable bat Approved for transportation by: • Air (IATA/ICAO provision A67) • Road • Sea (per IMDG Special Provision						
Barcode	9319432520413					



DIMENSIONS

mm (inch)

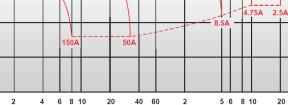




minutes

8.0

9319632520413



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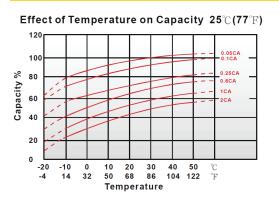
Discharge Time

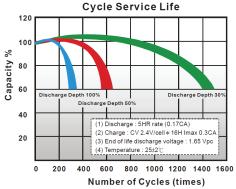
4

20

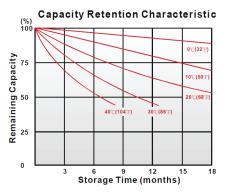
hours

CHARACTERISTICS CHARTS

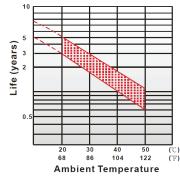




PERFORMANCE DATA



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.



	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
me								
5	min	235	282	316	338	343	348	354
10	min	168	199	218	228	232	237	241
15	min	124	143	157	163	166	169	171
30	min	76.4	88	95.2	98.3	99.5	101	102
60	min	52.6	55.4	57	58.3	58.8	59.5	59.9
120	min	29.2	32	33.3	34.5	34.8	35.3	35.8
180	min	20.8	22.7	23.8	24.7	25	25.3	25.7
240	min	17.2	18.3	19	19.7	19.8	20.2	20.5
300	min	15.9	16.6	17	17.3	17.50	17.7	17.8
600	min	8.62	9.1	9.38	9.57	9.62	9.68	9.77
1200	min	4.58	4.87	5.05	5.17	5.2	5.25	5.3

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	136	163	181	195	202	206	210
10	min	86.7	104	115	123	125	128	131
15	min	76.2	82.8	85.8	88.4	89.1	90	91
30	min	44.5	49.7	51.7	53.3	53.8	54.4	55.1
60	min	25.5	28.2	29.3	30	30.2	30.5	30.8
120	min	15.1	16.2	16.8	17.3	17.5	17.7	17.9
180	min	11	11.7	12.1	12.4	12.5	12.6	12.7
240	min	8.96	9.44	9.7	9.89	9.96	10.1	10.2
300	min	7.85	8.26	8.5	8.67	8.73	8.8	8.87
600	min	4.41	4.65	4.76	4.82	4.84	4.87	4.91
1200	min	2.32	2.44	2.5	2.55	2.57	2.59	2.61

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%)

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.

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