

Drypower

VRLA AGM MULTIPURPOSE RANGE
BACKUP & MAIN POWER



12V

1.2Ah

SLA

AGM

12SB1.2P

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity		
20 hour rate (0.060A to 10.50V)	1.2Ah	
10 hour rate (0.114A to 10.50V)	1.14Ah	
5 hour rate (0.204A to 10.20V)	1.02Ah	
1C (1.2A to 9.60V)	0.68Ah	
3C (3.6A to 9.60V)	0.48Ah	
Weight	Approx. 550g	
Internal Resistance (at 1KHz)	Approx. 48mΩ	
Maximum Discharge Current (5 secs)	18A	
Charge Methods at 25°C		
Cycle Use		
Charging Voltage	14.4V to 15.0V	
Coefficient -5.0mV/°C/Cell		
Maximum Charging Current	0.36A	
Standby Use		
Float Charging Voltage	13.5V to 13.8V	
Coefficient -3.0mV/°C/Cell		
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	F1 (Faston Tab 187)	
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)		

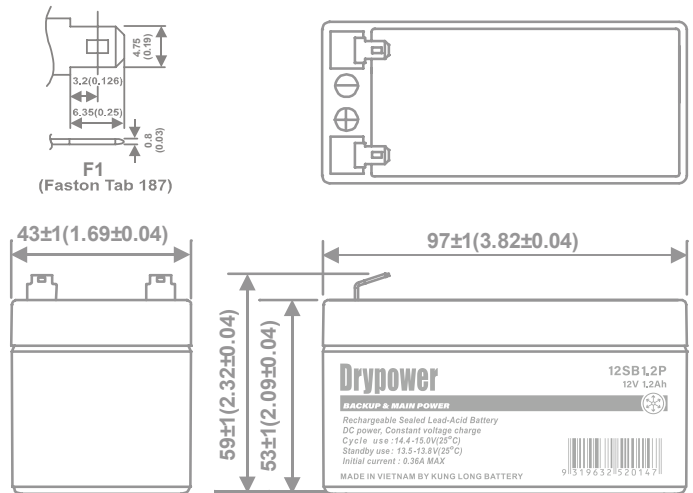


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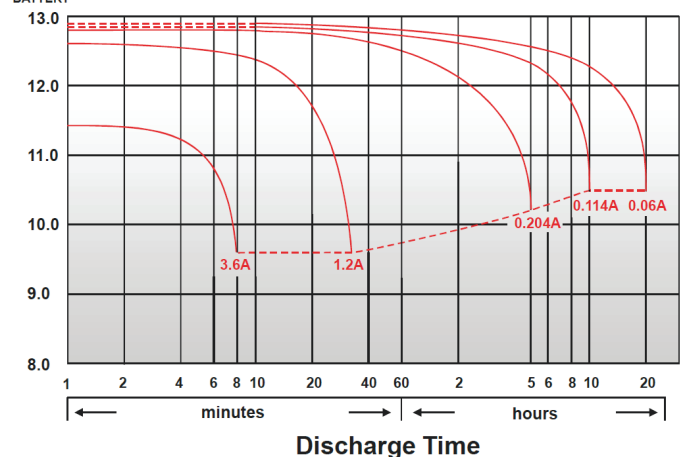


DIMENSIONS

mm (inch)

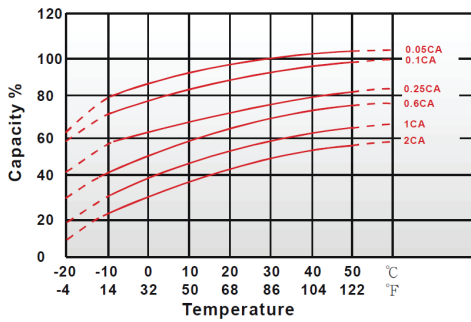


(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)

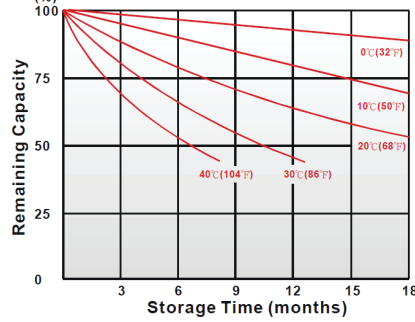


CHARACTERISTICS CHARTS

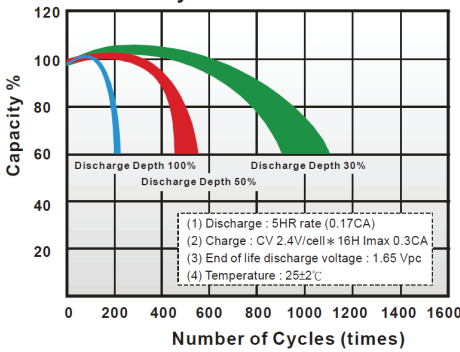
Effect of Temperature on Capacity 25°C(77°F)



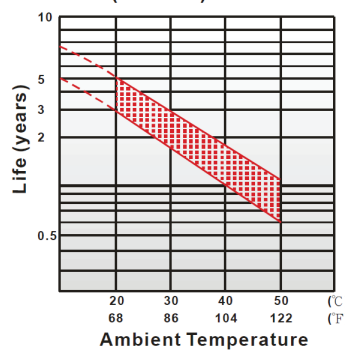
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



FEATURES & BENEFITS

- ◆ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ◆ Maintenance free technology and non-spillable design.
- ◆ Excellent charge retention in storage.
- ◆ 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	8.17	9.12	9.77	10.3	10.5	10.7	10.9
10	min	6.06	6.29	6.5	6.7	6.83	6.92	6.97
15	min	4.2	4.7	4.87	4.96	5.04	5.09	5.13
30	min	2.67	2.75	2.82	2.87	2.92	2.95	2.98
60	min	1.36	1.41	1.46	1.51	1.55	1.58	1.6
120	min	0.897	0.933	0.967	0.988	1.005	1.018	1.025
180	min	0.59	0.612	0.63	0.645	0.657	0.663	0.67
240	min	0.51	0.518	0.527	0.535	0.543	0.552	0.56
300	min	0.442	0.455	0.465	0.472	0.476	0.479	0.482
600	min	0.248	0.254	0.257	0.258	0.26	0.262	0.264
1200	min	0.139	0.144	0.146	0.148	0.149	0.15	0.151

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	4.4	4.77	5.02	5.23	5.41	5.51	5.58
10	min	3.15	3.29	3.35	3.38	3.41	3.43	3.45
15	min	2.19	2.42	2.56	2.67	2.72	2.77	2.81
30	min	1.29	1.34	1.38	1.4	1.42	1.44	1.46
60	min	0.694	0.72	0.742	0.756	0.768	0.777	0.787
120	min	0.475	0.484	0.489	0.496	0.502	0.507	0.51
180	min	0.314	0.322	0.328	0.331	0.334	0.336	0.338
240	min	0.259	0.265	0.269	0.272	0.274	0.275	0.276
300	min	0.229	0.236	0.24	0.242	0.244	0.246	0.248
600	min	0.124	0.127	0.129	0.13	0.131	0.132	0.132
1200	min	0.06	0.066	0.07	0.072	0.074	0.076	0.077

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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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.