



12V

17W

SLA

UPS
AGM

12SB17WHR

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Power		
10 min rate	17W/cell to 1.60V/cell	
15 min rate	13W/cell to 1.60V/cell	
Nominal Capacity		
20 hour rate	(0.171A to 10.50V)	3.4Ah
10 hour rate	(0.330A to 10.50V)	3.3Ah
5 hour rate	(0.561A to 10.20V)	2.805Ah
1C	(3.3A to 9.60V)	2.09Ah
3C	(9.9A to 9.60V)	1.32Ah
Weight	Approx. 1.3kg	
Internal Resistance (at 1KHz)	Approx. 34mΩ	
Maximum Discharge Current (5 secs)	49.5A	
Charge Methods at 25°C		
Standby Use		
Float Charging Voltage	13.5V to 13.8V	
Coefficient	-3.0mV/°C/Cell	
Maximum Charging Current	0.99A	
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 Tab 250)	
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

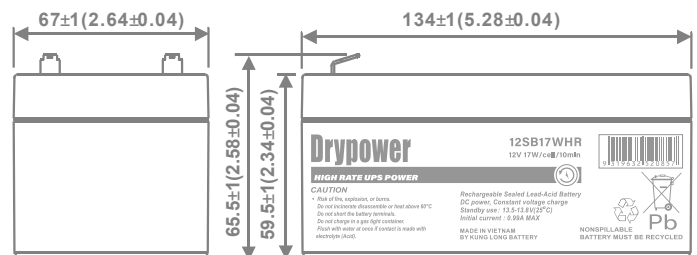
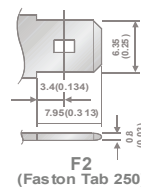


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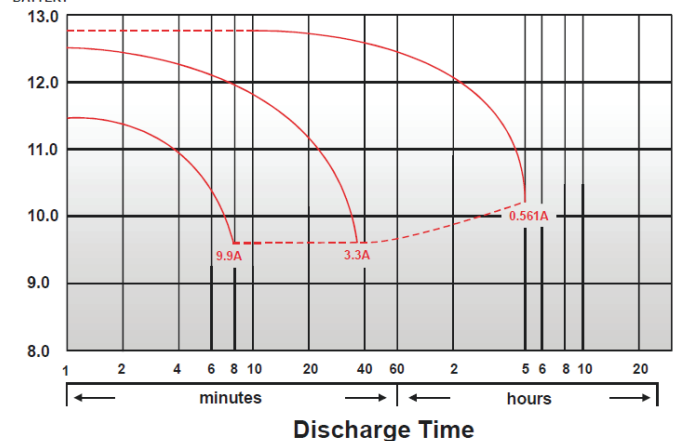


DIMENSIONS

mm (inch)

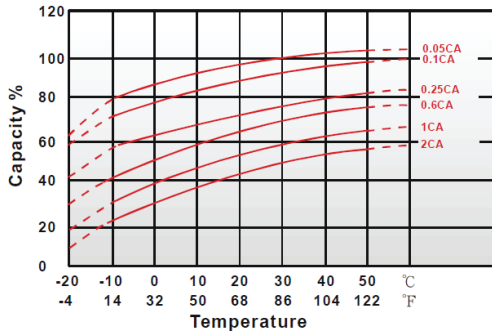


Discharge Time VS. Discharge Current (25°C)

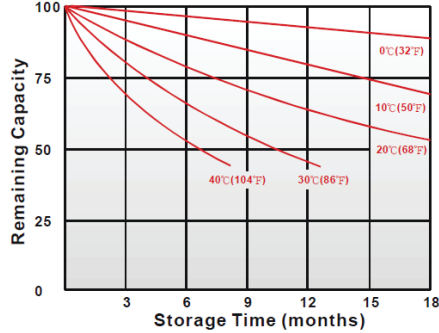


CHARACTERISTICS CHARTS

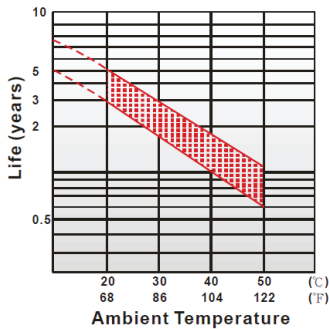
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic



Trickle (or float) Service Life



FEATURES & BENEFITS

- ◆ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ◆ Specially formulated solder paste to ensure reliable power delivery.
- ◆ Maintenance free technology and non-spillable design.
- ◆ Special grid frame alloy design with outstanding anti-corrosion performance.
- ◆ 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	18.7	20.5	22	23.2	23.5	24	24.5
10	min	13.2	14.4	15	15.7	15.9	16.2	16.6
15	min	11.3	12	12.3	12.6	12.7	12.9	13
30	min	5.62	6.08	6.35	6.57	6.65	6.75	6.87
60	min	3.25	3.47	3.65	3.8	3.85	3.92	3.97
120	min	1.92	2.03	2.15	2.23	2.25	2.28	2.32
180	min	1.49	1.55	1.61	1.67	1.68	1.7	1.72
240	min	1.26	1.3	1.33	1.35	1.36	1.37	1.38
300	min	1.1	1.13	1.15	1.17	1.17	1.18	1.19
600	min	0.807	0.828	0.672	0.68	0.68	0.688	0.693
1200	min	0.33	0.345	0.355	0.363	0.365	0.368	0.372

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	12.8	13.4	13.8	14.1	14.2	14.4	14.5
10	min	7.96	8.33	8.52	8.68	8.74	8.81	8.89
15	min	6.08	6.29	6.4	6.49	6.52	6.56	6.61
30	min	3.22	3.36	3.44	3.5	3.52	3.54	3.56
60	min	1.85	1.94	1.98	2.01	2.02	2.03	2.04
120	min	1.01	1.08	1.11	1.13	1.14	1.15	1.16
180	min	0.732	0.781	0.806	0.827	0.834	0.842	0.851
240	min	0.60	0.625	0.646	0.661	0.666	0.672	0.68
300	min	0.509	0.541	0.557	0.57	0.574	0.579	0.585
600	min	0.304	0.321	0.33	0.336	0.338	0.341	0.343
1200	min	0.156	0.165	0.171	0.176	0.178	0.18	0.182

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%)

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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.