



12V

73W

SLA

UPS
AGM

12SB70WHR

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Power		
10 min rate	73W/cell to 1.60V/cell	
15 min rate	54W/cell to 1.60V/cell	
Nominal Capacity		
20 hour rate	(0.60A to 10.50V)	12Ah
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. 3.65kg	
Internal Resistance (at 1KHz)	Approx. 13mΩ	
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 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

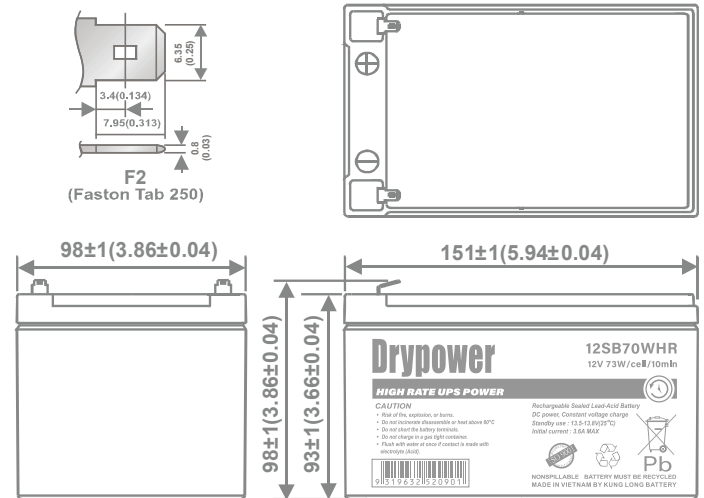


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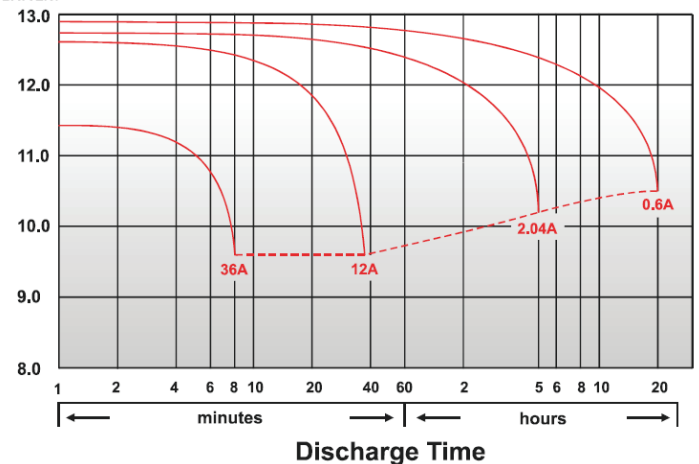
DIMENSIONS

mm (inch)



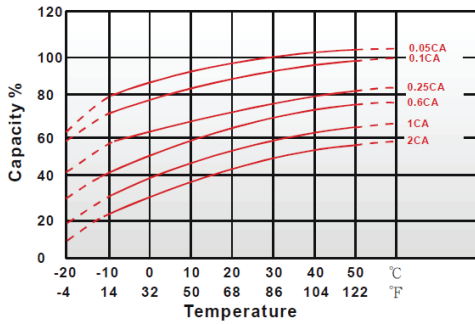
(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (25°C)

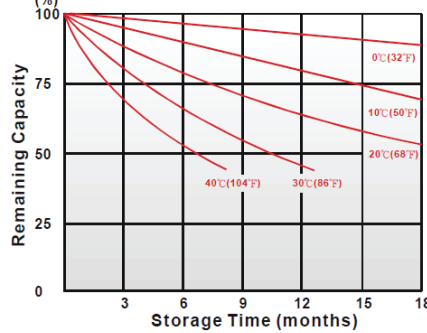


CHARACTERISTICS CHARTS

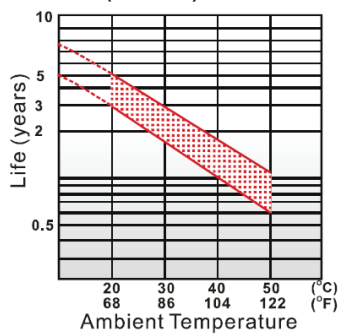
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



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	1.60V
Time							
2	min	129	142	155	162	165	172
4	min	98.5	107	116	121	124	128
5	min	86.7	95	102	106	109	113
6	min	85	88.3	91.8	95.7	97.7	101
8	min	73.5	76.8	80	82	83.2	84
10	min	63.2	65.6	68.1	70.3	71.7	73.5
15	min	48.4	50.1	51.8	52.8	53.3	54.2
20	min	39.2	39.8	40.7	41.5	41.8	42.8
30	min	29.5	29.8	30.2	30.6	30.70	30.9
45	min	20.9	21	21.2	21.4	21.50	21.7
60	min	16.3	16.4	16.5	16.6	16.60	16.7
90	min	12.8	12.9	13.1	13.2	13.3	13.3

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	1.60V
Time							
2	min	54.3	73	77.4	80.7	82.6	86
4	min	51.7	54.9	58	60.6	61.7	64.1
5	min	46.6	49	51.5	53.5	54.6	56.6
6	min	42.8	44.7	46.6	48.2	49.4	51
8	min	36.6	38.4	40.1	41.4	42	43.2
10	min	31.7	33	34.4	35.3	35.9	36.9
15	min	23.9	24.8	25.8	26.5	26.8	27.2
20	min	19.60	19.9	20.4	20.8	21	21.5
30	min	14.7	14.9	15.2	15.3	15.4	15.5
45	min	10.4	10.5	10.6	10.7	10.8	10.9
60	min	8.18	8.22	8.27	8.31	8.32	8.36
90	min	6.37	6.45	6.55	6.61	6.64	6.68

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.