Valve Regulated Lead Acid Battery

WP1251W

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate:	51W/cell to 1.60V/cell

Nominal Capacity

20 hour rate	(0.6A	to	10.50V)	12Ah
5 hour rate	(2.04A	to	10.20V)	10.2Ah
1 C	(12A	to	9.60V)	7.6Ah
3 C	(36A	to	9.60V)	4.8Ah

Weight

Approx. 3.65kg(8.03Lbs.)

Internal Resistance (at 1KHz)

Approx. 13 mΩ

Maximum Discharge Current for

5 seconds: 180A

Charging Methods at 25℃(77℉)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	3.6A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

1 month	97%
3 month	92%
6 month	85%

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20℃): 3-5 YEARS STANDARD COMMERCIAL

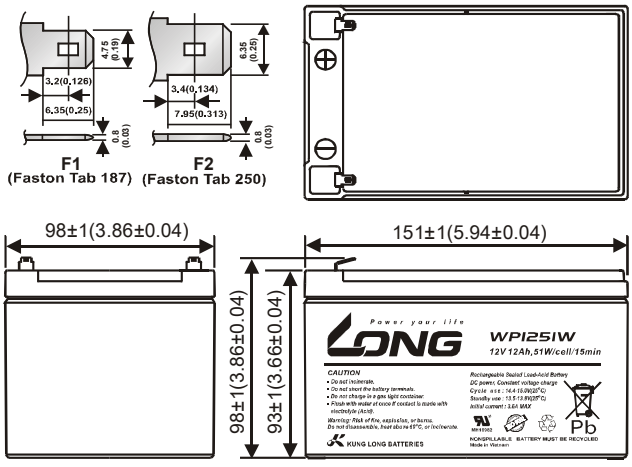
Terminal

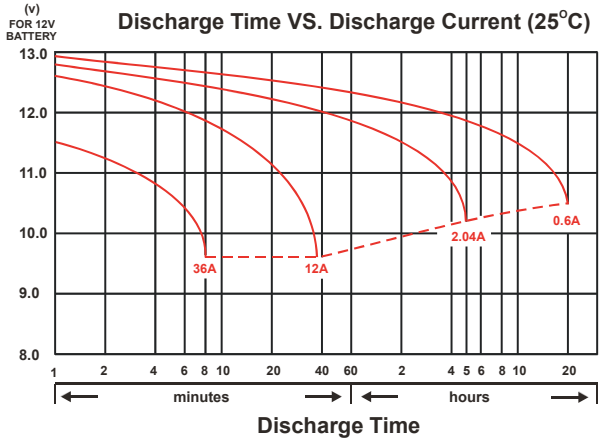
F1 or F2 (Faston Tab 187 or 250)

Dimensions

Length (L)	151±1 (5.94±0.04)
Width (W)	98±1 (3.86±0.04)
Height (H)	93±1 (3.66±0.04)
Overall Height (HT)	98±1 (3.86±0.04)

mm(inch)

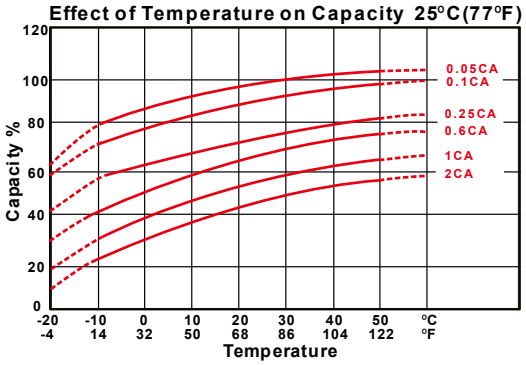


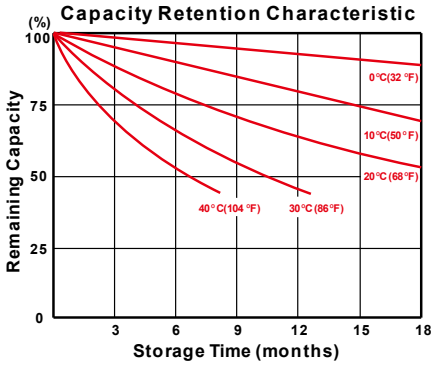


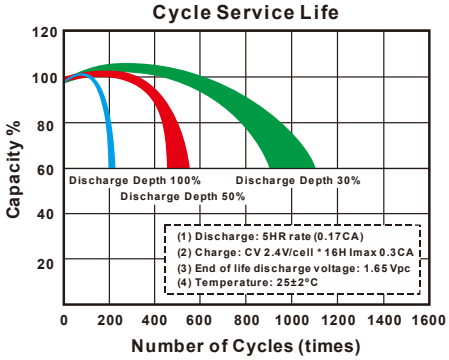
Power your life

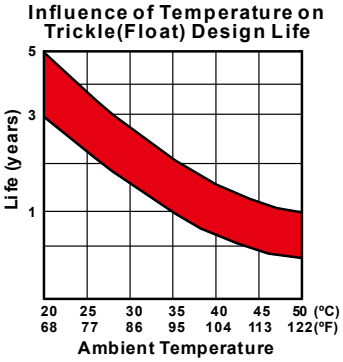
Valve Regulated Lead Acid Battery

WP1251W









- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.60V
5	min	86.7	95.0	102	106	109	113
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
30	min	29.5	29.8	30.2	30.6	30.7	30.9
60	min	16.3	16.4	16.5	16.6	16.6	16.7

- Discharge Rates in Amperes to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.60V
5	min	46.6	49.0	51.5	53.5	54.6	56.6
10	min	31.7	33.0	34.4	35.3	35.9	36.9
15	min	23.9	24.8	25.8	26.5	26.8	27.2
30	min	14.7	14.9	15.2	15.3	15.4	15.5
60	min	8.18	8.22	8.27	8.31	8.32	8.36

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%)

260626-1L

廣隆光電科技股份有限公司
KUNG LONG BATTERIES INDUSTRIAL CO., LTD.

Head Quarter Service TEL: +886-49-2254-777 FAX: +886-49-2255-139 E-mail: sales@mail.klb.com.tw
USA Customer Service TEL: +1-949-328-7936 FAX: +1-949-266-9917 E-mail: sales@kunglong.com
Vietnam Customer Service TEL: +84-272-3779666 FAX: +84-272-3779476 E-mail: sales@mail.klb.com.tw

Contents in this data sheet are subject to change for improvement without prior notice to users. For clarifications and updated information, please contact us.