



# RECHARGEABLE SEALED LEAD ACID BATTERY

參考資料

Revision 1.1



## WP7.2-12

### Specifications

Nominal Voltage (V) 12V

#### Nominal Capacity

20hour rate ( 0.36A )	to	10.50V )	7.2Ah
10hour rate ( 0.72A )	to	10.50V )	6.84Ah
5hour rate ( 1.22A )	to	10.20V )	6.12Ah
1C ( 7.2A )	to	9.60V )	3.24Ah
3C ( 21.6A )	to	9.60V )	2.52Ah

Weight Approx. 2.45kg(5.39Lbs.)

Internal Resistance (at 1KHz) 22 mΩ

Maximum Discharge Current for 5 seconds : 135A

#### Operating Temperature Range

Charge	0°C (32°F)	to	40°C (104°F)
Discharge	-15°C (5°F)	to	50°C (122°F)
Storage	-15°C (5°F)	to	40°C (104°F)

#### Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

#### Charging Methods at 20°C (68°F)

##### Cycle use:

Charging Voltage 14.4 to 15.0V  
Maximum Charging Current : 2.16A

##### Standby use :

Float Charging Voltage 13.50 to 13.80V

#### Life expectancy :

##### Cycle Use :

100% depth of discharge 200 cycles  
80% depth of discharge 225 cycles  
50% depth of discharge 500 cycles

Standby Use : 3~5years

#### Case Material

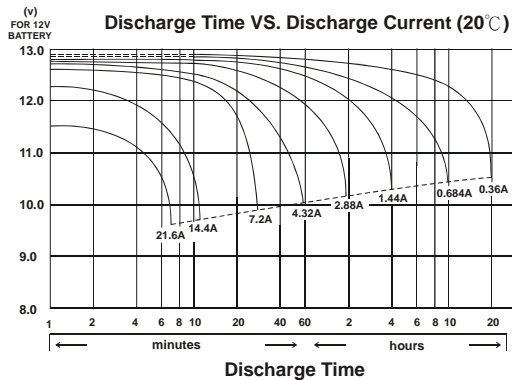
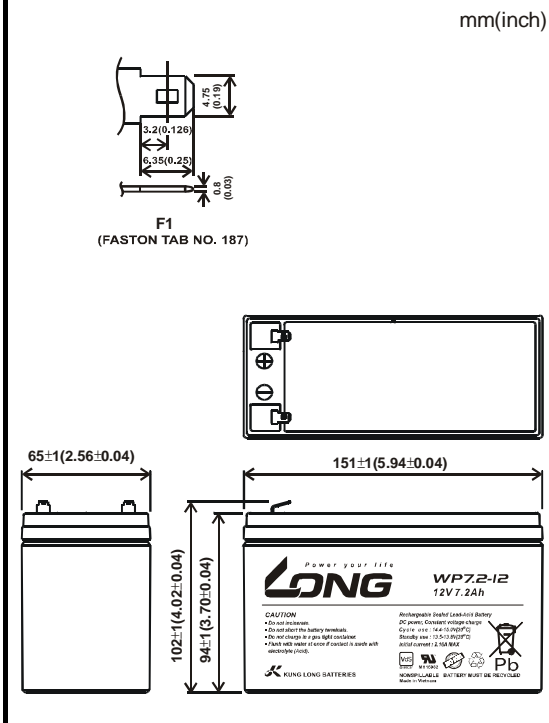
ABS

(Option : 94-HB & 94V-0 flame retardant case)

#### Terminal

F1 or F2

### Dimensions





# RECHARGEABLE SEALED LEAD ACID BATTERY

參考資料

Revision 1.1

All data on the spec. sheet is an average value:

The tolerance range :  $X < 6\text{min}(+15\% \sim -15\%)$ ,  $6\text{min} \leq X < 10\text{min}(+12\% \sim -12\%)$ ,  $10\text{min} \leq X < 60\text{min}(+8\% \sim -8\%)$ ,  $X \geq 60\text{min}(+5\% \sim -5\%)$

## PERFORMANCE DATA

### Discharge Rates in Watts to Various End Voltages at 25°C

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	255	279	293	309	317	331
10	min	174	182	192	205	214	222
15	min	136	148	159	164	169	171
30	min	81.9	87.7	91.7	94.0	96.4	100
60	min	42.8	46.1	47.8	49.7	51.2	52.9
120	min	30.6	32.2	33.0	34.0	35.1	35.9
180	min	17.4	19.2	20.7	21.5	22.1	22.8
240	min	14.7	15.6	16.6	17.4	17.9	18.6
300	min	14.4	14.8	15.2	15.5	16.0	16.4
600	min	7.94	8.28	8.40	8.63	8.86	9.09
1200	min	3.91	4.03	4.14	4.26	4.26	4.37

### Discharge Rates in Amperes to Various End Voltages at 25°C

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	22.2	24.3	25.5	26.9	27.6	28.8
10	min	15.1	15.8	16.7	17.8	18.6	19.3
15	min	11.8	12.9	13.8	14.3	14.7	14.9
30	min	7.12	7.63	7.97	8.17	8.38	8.71
60	min	3.72	4.01	4.16	4.32	4.45	4.60
120	min	2.66	2.80	2.87	2.96	3.05	3.12
180	min	1.51	1.67	1.80	1.87	1.92	1.98
240	min	1.28	1.36	1.44	1.51	1.56	1.62
300	min	1.25	1.29	1.32	1.35	1.39	1.43
600	min	0.69	0.72	0.73	0.75	0.77	0.79
1200	min	0.34	0.35	0.36	0.37	0.37	0.38

廣隆光電科技股份有限公司 Kung Long Batteries Industrial Co., Ltd.

南投市自立三路 6 號 NO. 6 TZU-LI 3 ROAD NANTOU CITY TAIWAN TEL: +886-49-2254777 ~8 FAX: +886-49-2255139

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