Power your life

RECHARGEABLE SEALED LEAD ACID BATTERY

Supplier of Energy

WP3.3-12 12Volt 3.3Ah

Specifications

Nominal Voltage(V)	**12V**

Nominal Capacity

20 hour rate	(0.165A	to	10.50V)	**3.3Ah**
10 hour rate	(0.314A	to	10.50V)	**3.134Ah**
5 hour rate	(0.561A	to	10.20V)	**2.805Ah**
1 C	(3.3A	to	9.60V)	**2.09Ah**
3 C	(9.9A	to	9.60V)	**1.32Ah**

Weight	Approx. **1.30kg(2.86Lbs.)**
Internal Resistance (at 1KHz)	Approx. **34 mΩ**

Maximum Discharge Current for

5 seconds:	**49.5A**

Charging Methods at 25℃(77℉)

Cycle use:

Charging Voltage	**14.4 to 15.0V**
Coefficient -5.0mV/℃/cell	
Maximum Charging Current :	**0.99A**

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	92%
3 month	90%
6 month	80%

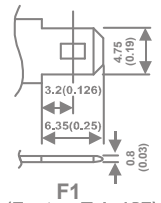
Case Material	**ABS**

(Option: UL94 HB & UL94 V-0 flame retardant)

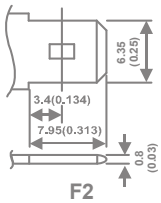
Terminal	**F1 or F2 (Faston Tab 187 or 250)**



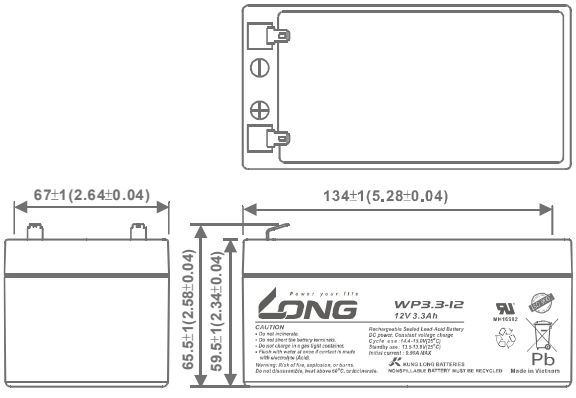
Dimensions mm(inch)

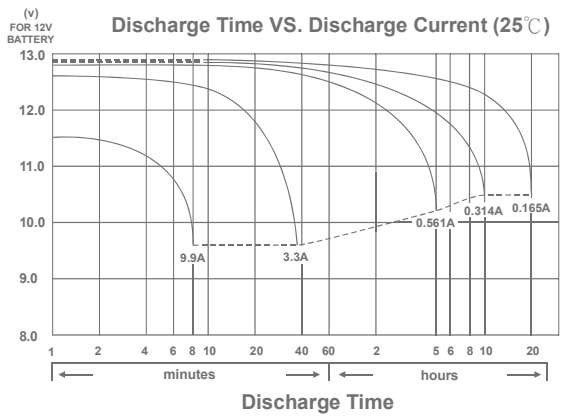


F1
(Faston Tab 187)



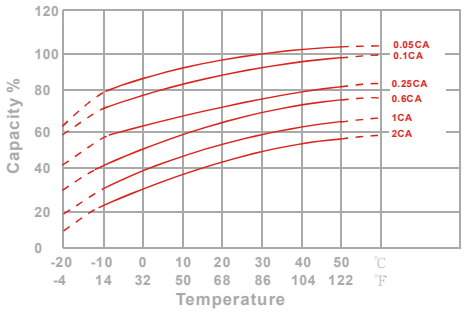
F2
(Faston Tab 250)



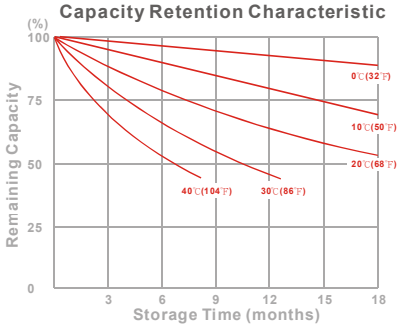


WP3.3-12

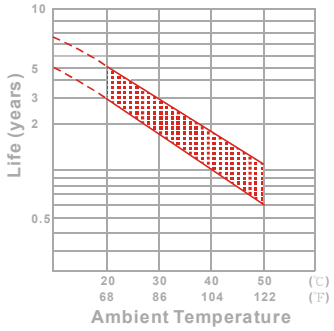
Effect of Temperature on Capacity 25℃(77℉)



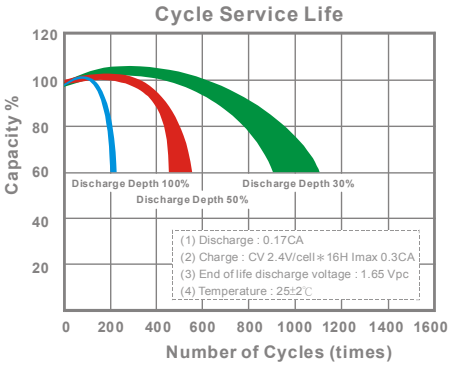
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- 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	1.65V	1.60V
5	min	112	123	132	139	141	144	147
10	min	79.4	86.3	90.2	93.9	95.4	97.1	99.5
15	min	67.7	71.9	73.8	75.7	76.4	77.2	78.1
30	min	33.7	36.5	38.1	39.4	39.9	40.5	41.2
60	min	19.5	20.8	21.9	22.8	23.1	23.5	23.8
120	min	11.5	12.2	12.9	13.4	13.5	13.7	13.9
180	min	8.92	9.28	9.67	10.0	10.1	10.2	10.3
240	min	7.53	7.82	7.98	8.11	8.16	8.22	8.29
300	min	6.57	6.78	6.92	7.01	7.04	7.08	7.13
600	min	4.84	4.97	4.03	4.08	4.10	4.13	4.16
1200	min	1.98	2.07	2.13	2.18	2.19	2.21	2.23

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

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
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	6.40	6.49	6.52	6.56	6.61
30	min	3.22	3.36	3.44	3.50	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	0.597	0.625	0.646	0.661	0.666	0.672	0.680
300	min	0.509	0.541	0.557	0.570	0.574	0.579	0.585
600	min	0.304	0.321	0.330	0.336	0.338	0.341	0.343
1200	min	0.156	0.165	0.171	0.176	0.178	0.180	0.182

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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