Power your life LONG

Valve Regulated Lead Acid Battery

WP1213W

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 13W/cell to 1.60V/cell

Nominal Capacity

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. 1.30kg(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	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

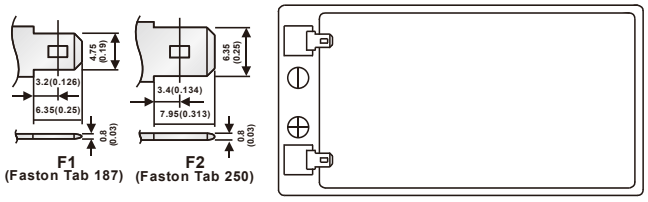
Terminal

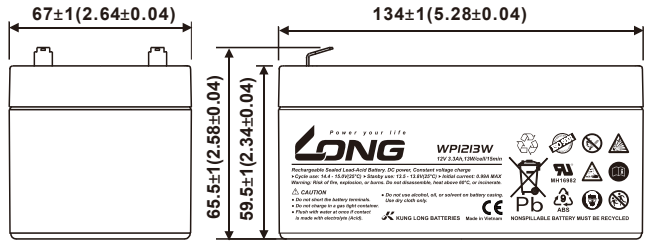
F1 or F2 (Faston Tab 187 or 250)

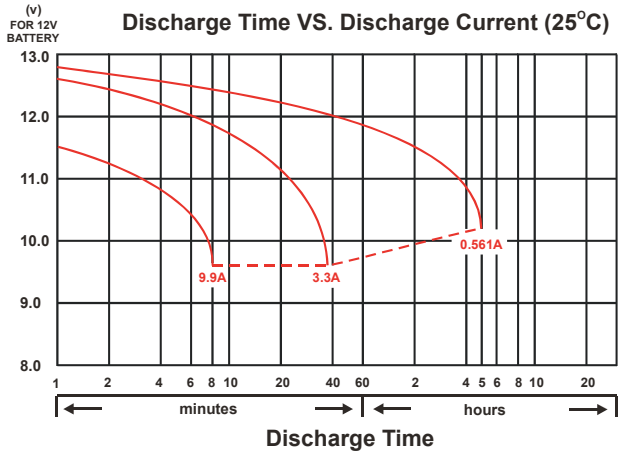
Dimensions

Length (L)	134±1 (5.28±0.04)
Width (W)	67±1 (2.64±0.04)
Height (H)	59.5±1 (2.34±0.04)
Overall Height (HT)	65.5±1 (2.58±0.04)

mm(inch)







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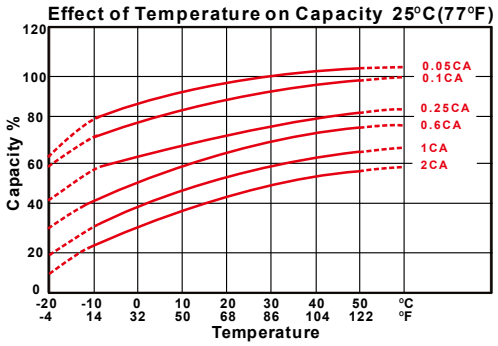

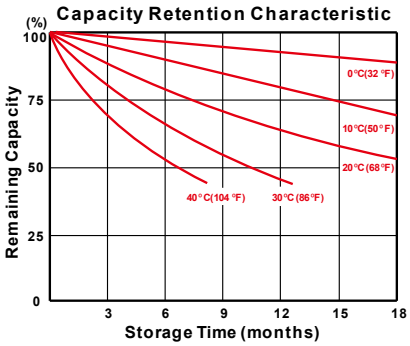

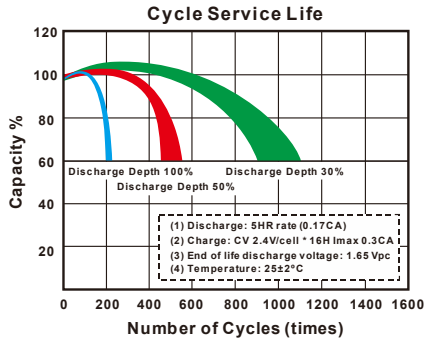

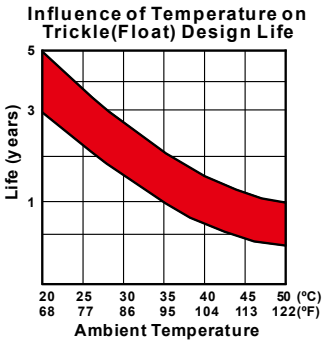

- PERFORMANCE DATA

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	18.7	20.5	22.0	23.2	23.5	24.0	24.5
10	min	13.2	14.4	15.0	15.7	15.9	16.2	16.6
15	min	11.3	12.0	12.3	12.6	12.7	12.9	13.0
30	min	5.62	6.08	6.35	6.57	6.65	6.75	6.87
60	min	3.25	3.47	3.65	3.80	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	1.70	1.72
240	min	1.26	1.30	1.33	1.35	1.36	1.37	1.38
300	min	1.10	1.13	1.15	1.17	1.17	1.18	1.19
600	min	0.807	0.828	0.672	0.680	0.683	0.688	0.693
1200	min	0.330	0.345	0.355	0.363	0.365	0.368	0.372

- 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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