Power your life

Valve Regulated Lead Acid Battery

WPS1245W

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 45W/cell to 1.60V/cell

Nominal Capacity

20 hour rate	(0.6A	to	10.50V)	12Ah
10 hour rate	(1.14A	to	10.50V)	11.4Ah
5 hour rate	(2.04A	to	10.20V)	10.2Ah
1 C	(12A	to	9.60V)	7.2Ah
3 C	(36A	to	9.60V)	4.2Ah

Weight

Approx. 3.55kg(7.81Lbs.)

Internal Resistance (at 1KHz)

Approx. 11mΩ

Maximum Discharge Current for

5 seconds: 180A

Charging Methods at 25℃(77℉)

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

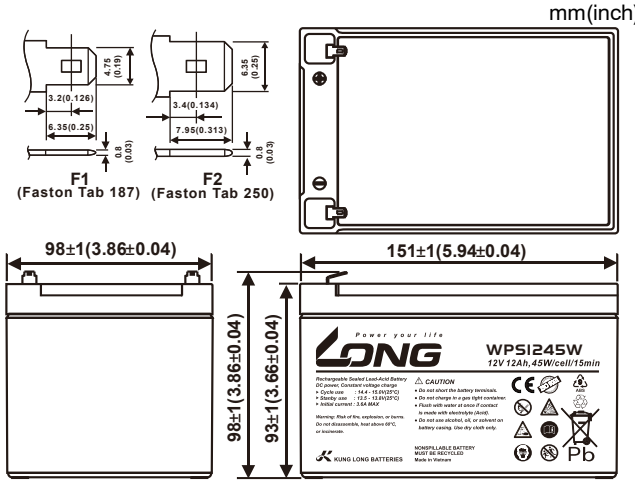
Terminal

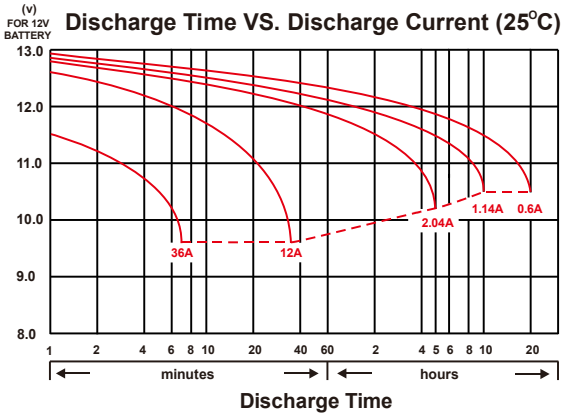
F1 or F2 (Faston Tab 187 or 250)

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)





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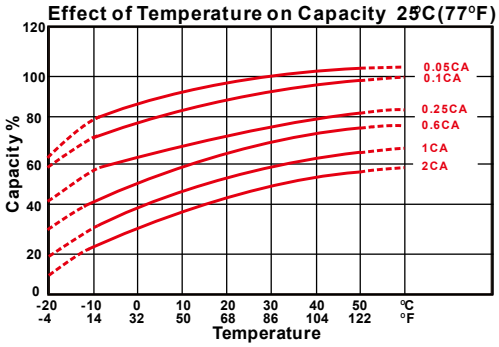

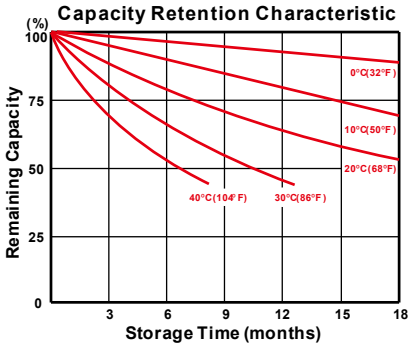

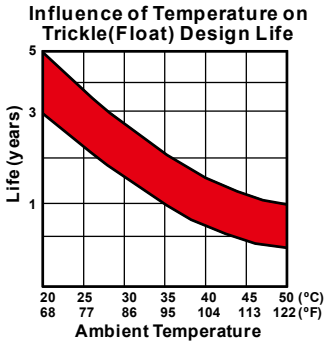

- PERFORMANCE DATA

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
10	min	51.1	54.4	57.0	59.3	60.5	61.4	62.3
15	min	38.2	40.6	42.7	44.1	45.0	45.6	46.2
30	min	24.2	25.4	26.2	26.9	27.4	27.8	28.1
60	min	13.0	13.5	13.9	14.2	14.4	14.5	14.6
120	min	8.22	8.50	8.71	8.88	9.01	9.11	9.19
180	min	5.50	5.94	6.30	6.58	6.74	6.87	6.95
240	min	4.28	4.74	5.04	5.23	5.32	5.39	5.42
300	min	3.98	4.19	4.35	4.47	4.55	4.61	4.65
480	min	2.64	2.79	2.90	2.97	3.02	3.05	3.07
600	min	2.35	2.45	2.53	2.58	2.60	2.61	2.63
1200	min	1.25	1.29	1.32	1.35	1.36	1.37	1.38

- 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
10	min	25.4	27.2	28.5	29.5	30.2	30.7	31.3
15	min	19.9	21.1	22.1	22.9	23.4	23.9	24.3
30	min	11.4	12.1	12.8	13.2	13.5	13.7	13.8
60	min	7.07	7.22	7.33	7.41	7.47	7.52	7.55
120	min	4.48	4.71	4.87	4.98	5.03	5.07	5.10
180	min	2.85	3.04	3.19	3.30	3.37	3.42	3.44
240	min	2.08	2.28	2.43	2.53	2.58	2.63	2.64
300	min	1.93	2.01	2.07	2.11	2.13	2.14	2.15
480	min	1.32	1.36	1.40	1.43	1.45	1.46	1.47
600	min	1.15	1.18	1.20	1.21	1.23	1.24	1.25
1200	min	0.597	0.612	0.623	0.630	0.635	0.638	0.640

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%)

030926-1A

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