Power your life

Valve Regulated Lead Acid Battery

WP0.7-12S

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(0.035A	to	10.50V)	0.7Ah
10 hour rate	(0.067A	to	10.50V)	0.665Ah
5 hour rate	(0.119A	to	10.20V)	0.595Ah
1 C	(0.7A	to	9.60V)	0.397Ah
3 C	(2.1A	to	9.60V)	0.28Ah

Weight

Approx. 364g(0.8Lbs.)

Internal Resistance (at 1KHz)

Approx. 125 mΩ

Maximum Discharge Current for

5 seconds: 10.5A

Charging Methods at 25℃(77℉)

Cycle use:

Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	0.21A

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

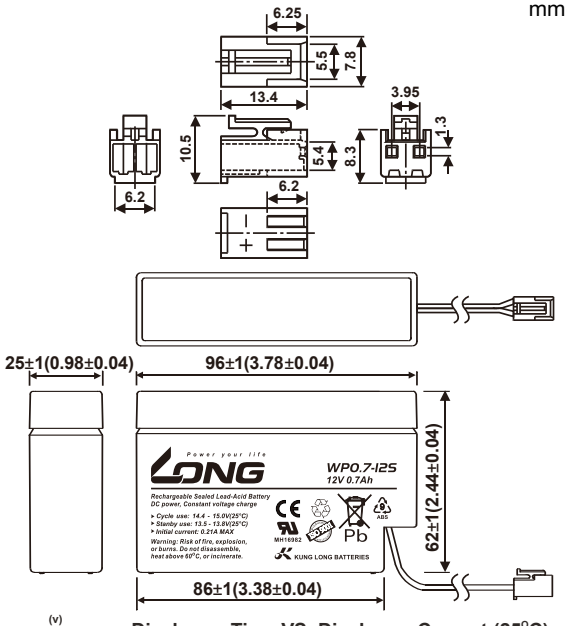
Terminal

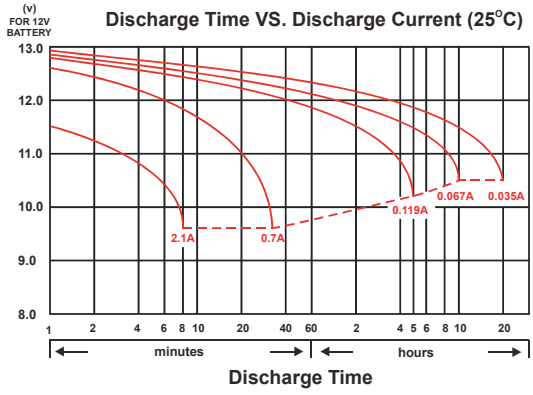
WIRE

Dimensions

Length (L)	96±1 (3.78±0.04)
Width (W)	25±1 (0.98±0.04)
Height (H)	62±1 (2.44±0.04)
Overall Height (HT)	62±1 (2.44±0.04)

mm(inch)





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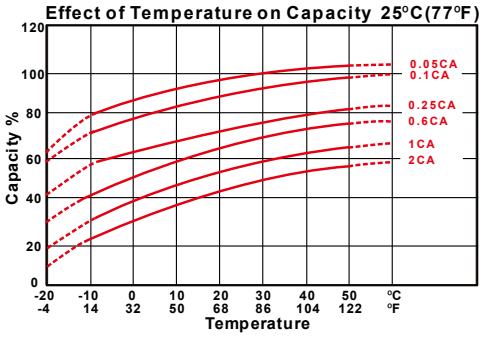

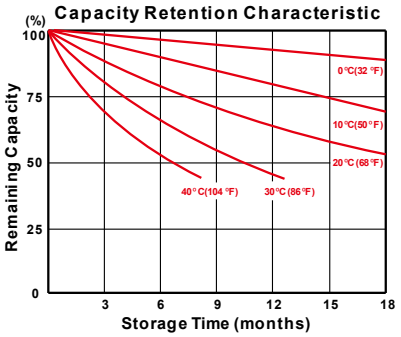

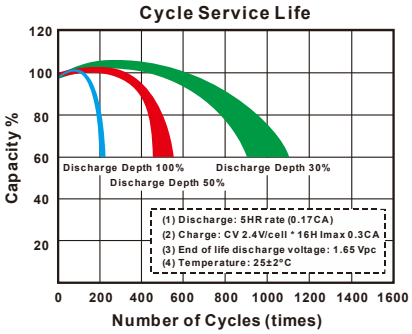

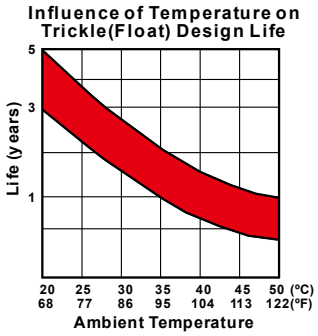

- PERFORMANCE DATA

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	3.37	4.13	4.53	4.85	4.97	5.12	5.30
10	min	2.65	3.07	3.38	3.63	3.72	3.82	3.93
15	min	2.30	2.53	2.68	2.78	2.82	2.87	2.91
30	min	1.34	1.42	1.48	1.53	1.54	1.56	1.58
60	min	0.820	0.865	0.897	0.923	0.933	0.945	0.960
120	min	0.485	0.520	0.545	0.565	0.573	0.582	0.593
180	min	0.337	0.365	0.385	0.400	0.405	0.412	0.420
240	min	0.282	0.302	0.315	0.327	0.330	0.335	0.340
300	min	0.247	0.258	0.267	0.273	0.275	0.277	0.280
600	min	0.131	0.136	0.142	0.144	0.145	0.146	0.147
1200	min	0.0700	0.0720	0.0735	0.0747	0.0750	0.0753	0.0758

- 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	1.82	2.31	2.62	2.86	2.94	3.03	3.14
10	min	1.38	1.61	1.79	1.94	1.99	2.05	2.12
15	min	1.14	1.30	1.41	1.48	1.50	1.53	1.56
30	min	0.638	0.703	0.755	0.801	0.816	0.833	0.852
60	min	0.424	0.447	0.462	0.475	0.480	0.486	0.493
120	min	0.245	0.260	0.271	0.282	0.286	0.290	0.296
180	min	0.169	0.181	0.190	0.198	0.201	0.205	0.209
240	min	0.137	0.145	0.151	0.156	0.161	0.164	0.167
300	min	0.118	0.124	0.129	0.133	0.134	0.136	0.138
600	min	0.062	0.065	0.067	0.069	0.070	0.071	0.072
1200	min	0.0345	0.0352	0.0358	0.0363	0.0365	0.0368	0.0371

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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