



TSLA1.2-12T

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(0.06A to 10.50V)	1.2Ah
10 hour rate	(0.114A to 10.50V)	1.14Ah
5 hour rate	(0.204A to 10.20V)	1.02Ah
1 C	(1.2A to 9.60V)	0.68Ah
3 C	(3.6A to 9.60V)	0.48Ah

Weight **Approx. 590g(1.3Lbs.)**

Internal Resistance (at 1KHz) **Approx. 97 mΩ**

Maximum Discharge Current for

5 seconds: **18A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient **-5.0mv/ /cell**

Maximum Charging Current : **0.36A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

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%**

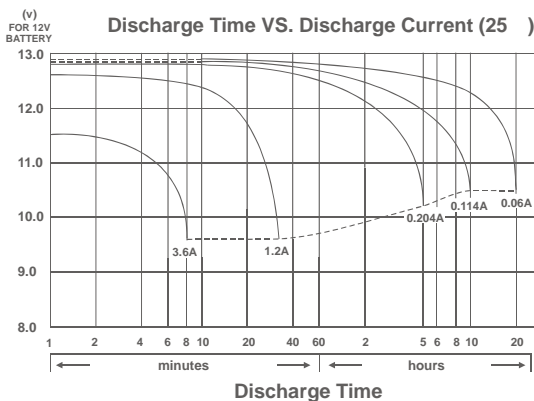
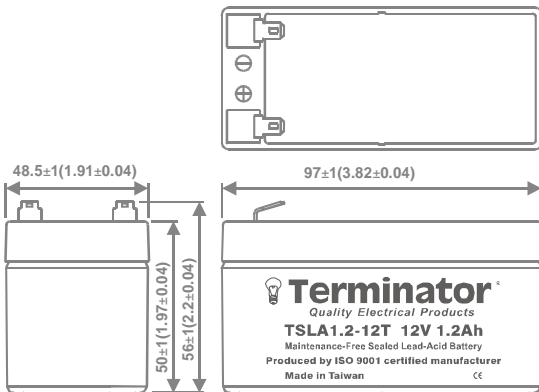
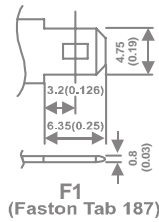
Case Material

**ABS
(UL94 HB)**

Terminal

F1 (Faston Tab 187)

Dimensions mm(inch)



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- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	3.62	4.23	4.69	5.06	5.21	5.38	5.63
10	min	2.25	2.56	2.76	2.94	3.01	3.09	3.24
15	min	1.91	2.15	2.29	2.40	2.44	2.49	2.55
30	min	1.14	1.27	1.38	1.45	1.47	1.50	1.53
60	min	0.766	0.802	0.821	0.845	0.851	0.858	0.865
120	min	0.411	0.434	0.448	0.459	0.463	0.468	0.475
180	min	0.292	0.311	0.322	0.331	0.334	0.338	0.344
240	min	0.237	0.252	0.261	0.268	0.271	0.274	0.278
300	min	0.209	0.221	0.228	0.233	0.235	0.238	0.240
600	min	0.114	0.119	0.123	0.126	0.127	0.128	0.129
1200	min	0.0620	0.0629	0.0636	0.0642	0.0644	0.0647	0.0651

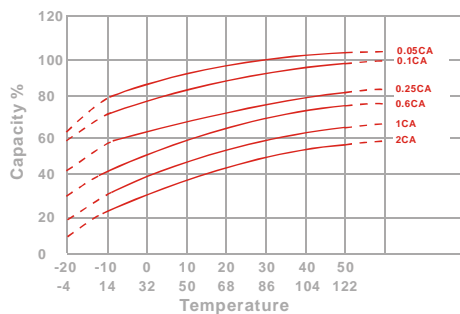
Discharge Rates in Watts to Various End Voltages at 25 (77)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	44.3	48.1	50.8	53.1	54.0	55.1	56.9
10	min	29.3	31.6	33.4	34.7	35.1	35.6	36.2
15	min	24.1	25.4	26.5	27.4	27.7	28.1	28.5
30	min	15.3	15.9	16.3	16.6	16.7	16.9	17.1
60	min	8.68	9.12	9.36	9.57	9.65	9.75	9.87
120	min	4.71	5.08	5.31	5.48	5.55	5.63	5.72
180	min	3.44	3.68	3.85	3.98	4.04	4.11	4.18
240	min	2.78	2.99	3.14	3.25	3.29	3.34	3.39
300	min	2.56	2.69	2.78	2.85	2.87	2.90	2.93
600	min	1.35	1.43	1.49	1.53	1.54	1.56	1.58
1200	min	0.744	0.763	0.777	0.786	0.789	0.793	0.798

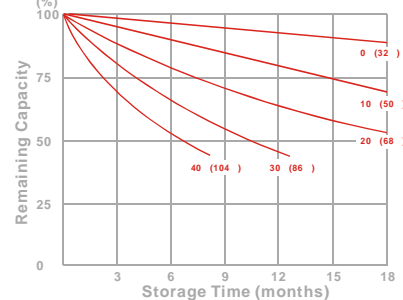
All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%),10min X < 60min(+8%~-8%), X 60min(+5%~-5%)

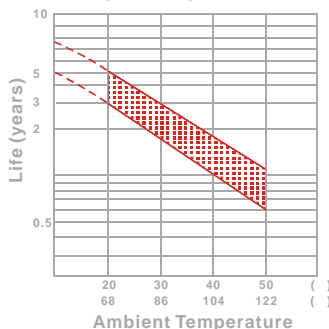
Effect of Temperature on Capacity 25 (77)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

