



# TSLA4-6B

## Specifications

Nominal Voltage(V) **6V**

### Nominal Capacity

20 hour rate	(0.2A	to	5.25V)	4Ah
10 hour rate	(0.38A	to	5.25V)	3.8Ah
5 hour rate	(0.68A	to	5.10V)	3.4Ah
1 C	(4A	to	4.80V)	2.13Ah
3 C	(12A	to	4.80V)	1.4Ah

Weight **Approx. 700g(1.54Lbs.)**

Internal Resistance (at 1KHz) **Approx. 21 mΩ**

### Maximum Discharge Current for

5 seconds: **60A**

### Charging Methods at 25 (77 )

Cycle use:

Charging Voltage **7.20 to 7.50V**

Coefficient **-5.0mv/ /cell**

Maximum Charging Current : **1.2A**

Standby use:

Float Charging Voltage **6.75 to 6.90V**

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 )**

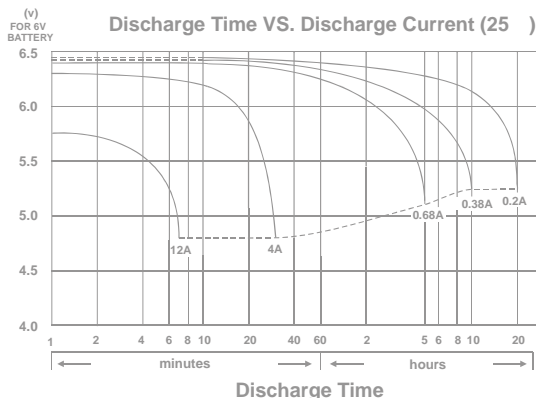
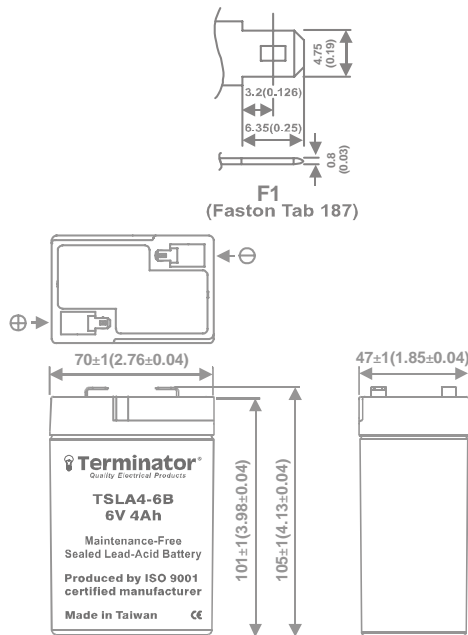
### Charge Retention (shelf life) at 20 (68 )

1 month	<b>92%</b>
3 month	<b>90%</b>
6 month	<b>80%</b>

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	1.8V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	12.1	13.3	14.2	14.6	14.9	15.0
10	min	8.06	8.88	9.43	9.75	9.91	10.0
15	min	6.63	7.24	7.65	7.89	8.01	8.08
30	min	3.48	3.80	4.02	4.14	4.20	4.24
60	min	2.10	2.22	2.28	2.34	2.40	2.42
120	min	1.10	1.17	1.20	1.23	1.26	1.27
180	min	0.88	0.93	0.95	0.98	1.00	1.01
240	min	0.70	0.74	0.76	0.78	0.80	0.81
300	min	0.60	0.63	0.65	0.66	0.68	0.69
600	min	0.35	0.37	0.38	0.39	0.40	0.40
1200	min	0.18	0.19	0.20	0.20	0.21	0.21

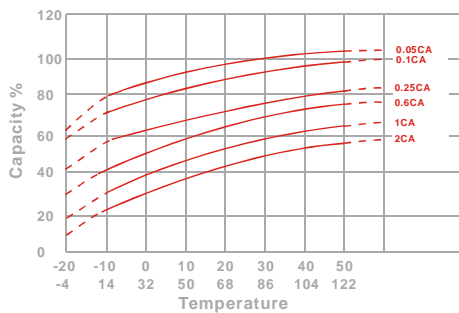
**Discharge Rates in Watts to Various End Voltages at 25 (77 )**

End Voltage		1.85V	1.8V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	67.7	74.6	79.2	81.9	83.2	84.0
10	min	45.5	50.2	53.3	55.1	56.0	56.5
15	min	37.8	41.3	43.6	45.0	45.6	46.0
30	min	20.5	22.4	23.7	24.4	24.8	25.0
60	min	12.4	13.1	13.5	13.8	14.2	14.3
120	min	6.56	6.93	7.12	7.31	7.50	7.57
180	min	5.21	5.50	5.65	5.80	5.95	6.01
240	min	4.20	4.44	4.56	4.68	4.80	4.85
300	min	3.57	3.77	3.88	3.98	4.08	4.12
600	min	2.12	2.24	2.30	2.36	2.42	2.44
1200	min	1.11	1.18	1.21	1.24	1.27	1.28

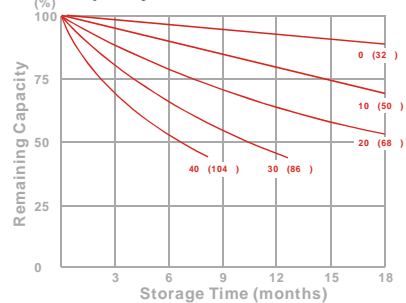
All data on the spec. sheet is an average value:

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

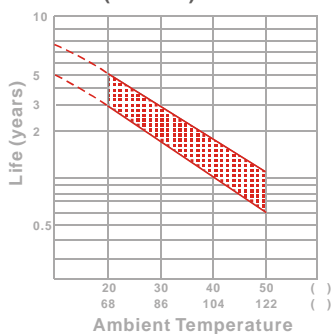
**Effect of Temperature on Capacity 25 (77 )**



**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**

