



TSLA4.5-6

Specifications

Nominal Voltage(V)	6V		
Nominal Capacity			
20 hour rate	(0.225A	to	5.25V) 4.5Ah
10 hour rate	(0.428A	to	5.25V) 4.275Ah
5 hour rate	(0.765A	to	5.10V) 3.825Ah
1 C	(4.5A	to	4.80V) 2.55Ah
3 C	(13.5A	to	4.80V) 1.8Ah

Weight Approx. 910g(2.0Lbs.)

Internal Resistance (at 1KHz) Approx. 18 mΩ

Maximum Discharge Current for
5 seconds: 67.5A

Charging Methods at 25 (77)

Cycle use:	
Charging Voltage	7.20 to 7.50V
Coefficient -5.0mv/ /cell	
Maximum Charging Current :	1.35A
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)

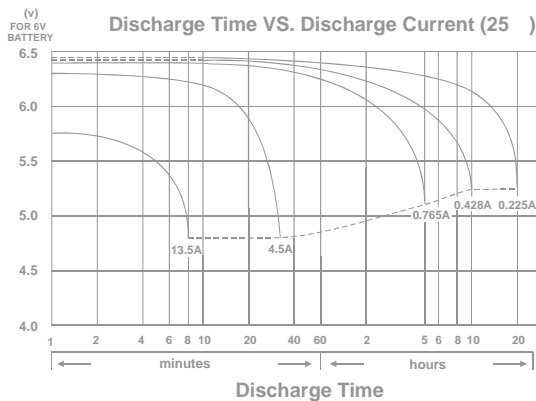
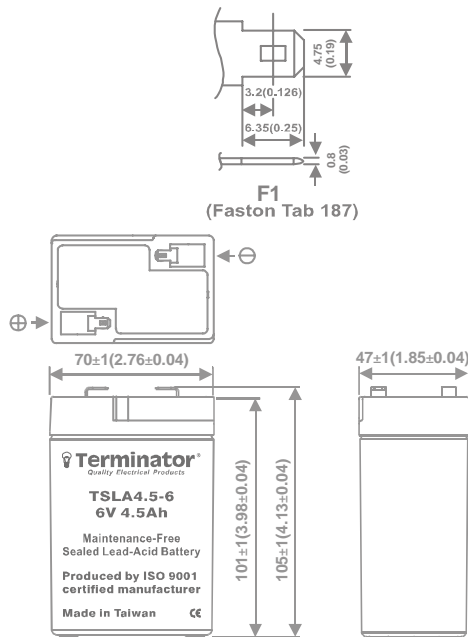
Charge Retention (shelf life) at 20 (68)

1 month	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	1.8V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	15.3	17.6	18.9	19.5	19.7	19.9	20.2
10	min	10.5	11.7	11.9	12.1	12.2	12.3	12.4
15	min	7.56	8.22	8.71	8.92	8.99	9.07	9.15
30	min	4.39	4.94	5.11	5.25	5.30	5.35	5.41
60	min	2.36	2.61	2.73	2.84	2.87	2.91	2.94
120	min	1.32	1.44	1.50	1.54	1.55	1.57	1.59
180	min	1.09	1.15	1.18	1.20	1.21	1.22	1.23
240	min	0.835	0.891	0.916	0.942	0.948	0.955	0.963
300	min	0.776	0.812	0.825	0.837	0.841	0.846	0.852
600	min	0.435	0.452	0.464	0.473	0.477	0.481	0.486
1200	min	0.219	0.233	0.241	0.247	0.250	0.253	0.257

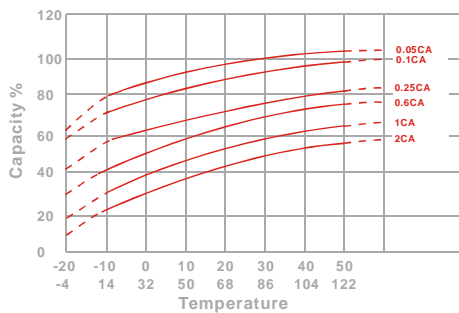
Discharge Rates in Watts to Various End Voltages at 25 (77)

End Voltage		1.85V	1.8V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	71.5	80.5	87.0	93.0	95.5	98.5	102
10	min	51.0	57.5	61.5	64.5	66.0	67.5	69.0
15	min	42.3	46.7	48.6	49.6	50.0	50.5	51.0
30	min	24.6	27.5	28.6	29.1	29.4	29.8	30.1
60	min	12.6	14.3	15.4	16.3	16.6	17.0	17.2
120	min	7.45	8.30	8.70	9.00	9.15	9.35	9.55
180	min	5.90	6.50	6.80	7.05	7.15	7.30	7.45
240	min	4.80	5.20	5.40	5.55	5.65	5.75	5.85
300	min	4.38	4.68	4.81	4.91	4.96	5.05	5.15
600	min	2.57	2.74	2.82	2.88	2.91	2.94	2.98
1200	min	1.30	1.41	1.50	1.53	1.54	1.56	1.58

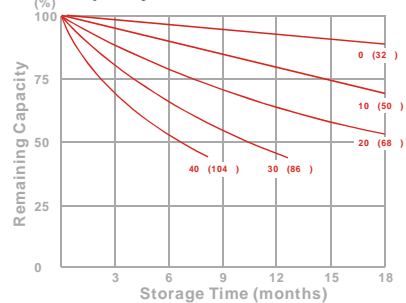
All data on the spec. sheet is an average value:

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

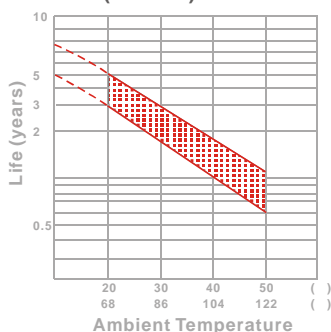
Effect of Temperature on Capacity 25 (77)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

