



T6 Series For General Use

SLA
Sealed Lead Acid Battery

The operating environment temperature above 40°C should be avoided. After long term storage, The battery actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles.
To get the longest life, IMP battery should be fully charged before storage.

Specifications

L x W x H		
Nominal Voltage		12V
Rated Capacity (20 hour rate)		12Ah
Dimensions	Length	5.94 inches(151mm)
	Width	3.85 inches(98mm)
	Height	3.74 inches(95mm)
	Total Height with terminals	3.93 inches(100mm)
	Weight	Approx. (3.30kg)

Characteristics

Capacity 77°F(25°C)	20 hour rate (0.75A)		9.0 Ah
	10 hour rate (1.4A)		8.3 Ah
	5 hour rate (2.4A)		7.2 Ah
	1 hour rate (9.0A)		5.4 Ah
Internal Resistance	Full charged Battery at 25°C(77°F)		13 MΩ
	40°C (104°F)		102%
	25°C (77°F)		100%
Capacity affected by Temperature (20hour rate)	0°C (32°F)		85%
	-15°C (5°F)		65%
Self-Discharge 77°F(25°C)	Capacity after 3 month storage		91%
	Capacity after 6 month storage		81%
	Capacity after 12 month storage		60%
Terminal		T1 / T2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 2.7A Voltage 14.4~14.7 V / 77°F(25°C)	
	Float	Voltage 13.5~13.8V / 77°F(25°C)	
Design Life		5 years	

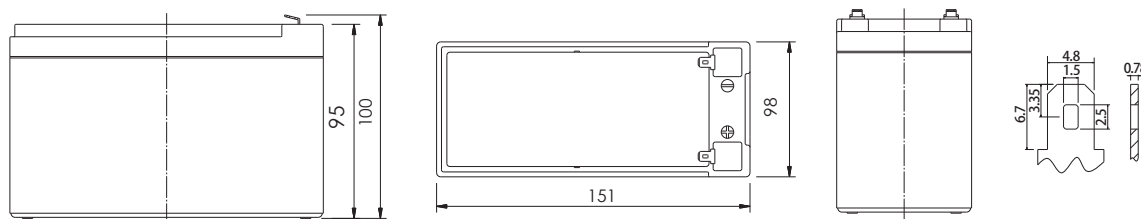
Test Report

Test Standards	IEC 60950-1, IEC 60896-2, EN 50342-1 : 2006+A1 : 2011
Measurement Procedure Used :	EN 55022: 2010+AC:2011 EN 61000-6-3:2007+A1:2011+AC:2012 EN 55024:2010 EN 61000-6-1:2007 /IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007 +A2:2010, IEC 61000-4-8:2009)

T6-12-12



Dimension : L x W x H



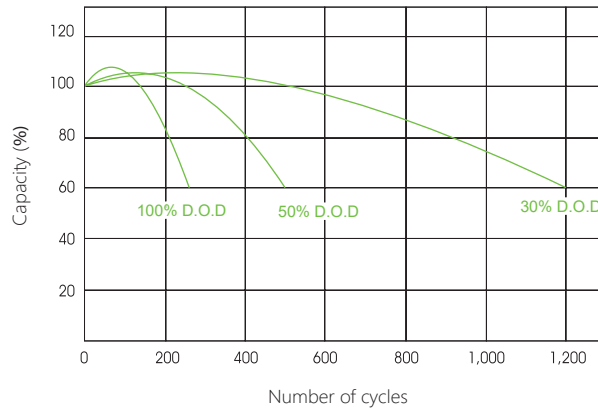
Constant Current Discharge (AMPERES @25°C)

EV / TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60v	6.42	4.22	3.40	2.28	1.20	0.70	0.51	0.40	0.33	0.23	0.21	0.11
1.70v	13.45	8.27	6.95	4.73	2.45	1.45	1.09	0.85	0.70	0.49	0.45	0.24
1.75v	13.02	7.38	6.08	4.43	2.37	1.41	1.06	0.83	0.69	0.49	0.44	0.24
1.80v	12.55	6.97	5.65	4.08	2.29	1.38	1.03	0.82	0.68	0.48	0.42	0.23
1.85v	12.12	6.52	5.22	3.64	2.22	1.35	1.00	0.80	0.66	0.46	0.41	0.22

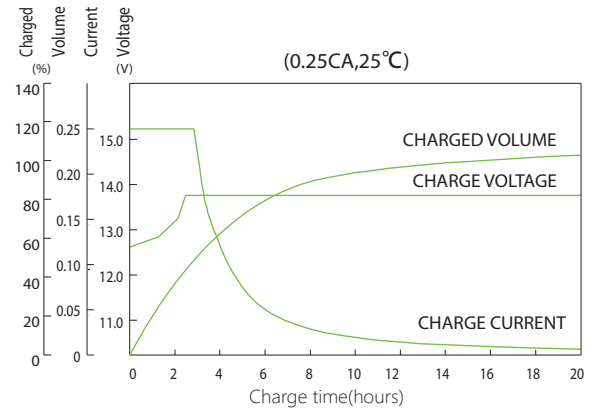
Constant Power Discharge (WATTS PER CELL@25°C)

Cut off voltage V/cell	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60v	66.20	45.08	36.48	24.52	12.96	7.69	5.72	4.51	3.75	2.68	2.43	1.32
1.70v	66.27	42.52	35.85	24.48	12.76	7.71	5.79	4.53	3.77	2.67	2.43	1.29
1.75v	65.55	38.75	31.99	23.48	12.65	7.56	5.69	4.49	3.75	2.65	2.39	1.30
1.80v	64.91	37.03	30.00	21.79	12.29	7.45	5.61	4.47	3.69	2.61	2.37	1.29
1.85v	63.40	34.84	27.99	19.65	12.00	7.33	5.47	4.39	3.63	2.56	2.29	1.24

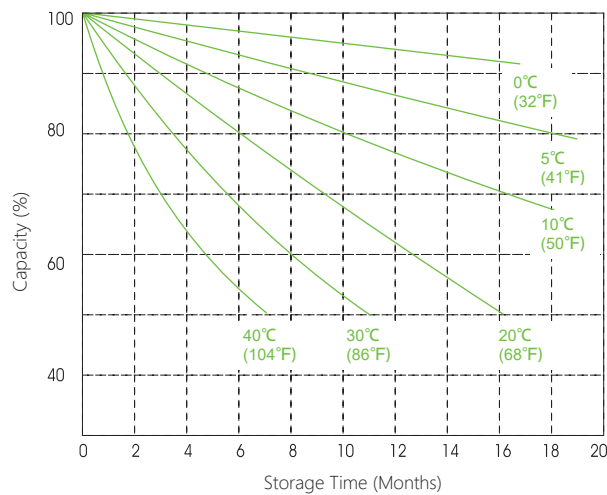
Cycle service life in relation to depth of discharge



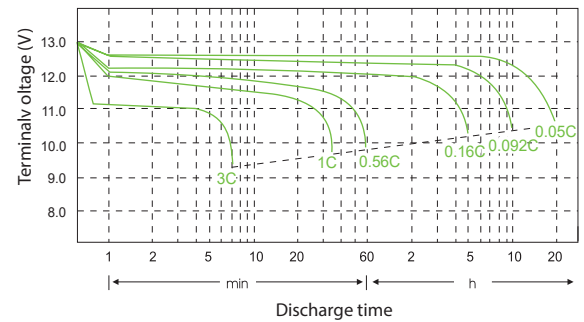
Constant voltage charge characteristic



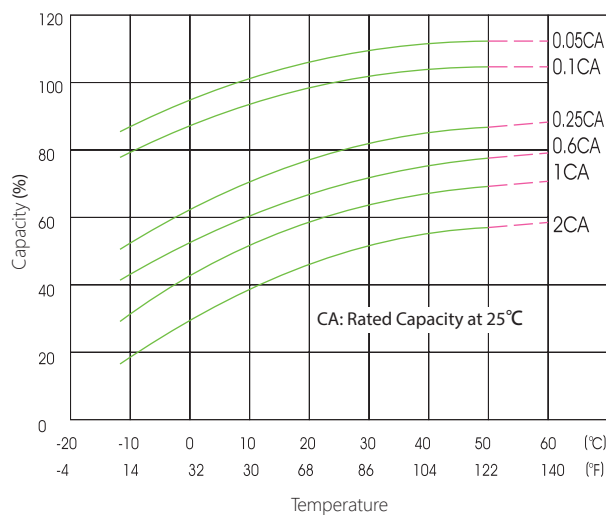
Self-Discharge Characteristics



Discharge Curves 77 F(25 C)



Temperature effects on capacity



Temperature effects float life

