



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)		120Ah
Dimensions	Length	16.0 inches(407mm)
	Width	6.85 inches(174mm)
	Height	8.14 inches(207mm)
	Total Height with terminals	9.25 inches(235mm)
	Weight	Approx. (34.5kg)

Characteristics

Capacity 77°F(25°C)	10 hour rate (3.25A)	120 Ah
	5 hour rate (6.10A)	110 Ah
	1 hour rate (10.4A)	90 Ah
Internal Resistance	Full charged Battery at 25°C(77°F)	4.5mΩ
	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
Capacity affected by Temperature (20hour rate)	-15°C (5°F)	65%
	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Self-Discharge 77°F(25°C)		
Terminal	M8	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 45A Voltage 14.4~14.7 V / 77°F(25°C)
	Float	Voltage 13.5~13.8V / 77°F(25°C)
Design Life	10 years	
Colour	Black / White	

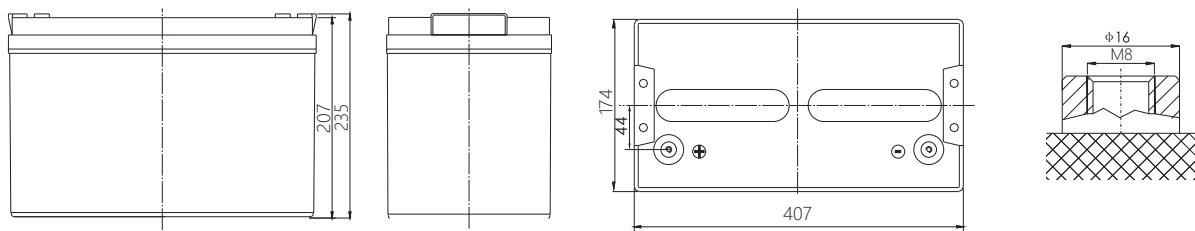
Test Report

Test Standards	IEC 60950-1, IEC 60896-2, EN 50342-1 : 2006+A1 : 2011
Measurement Procedure	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)

T6-12-120



Dimension : L x W x H



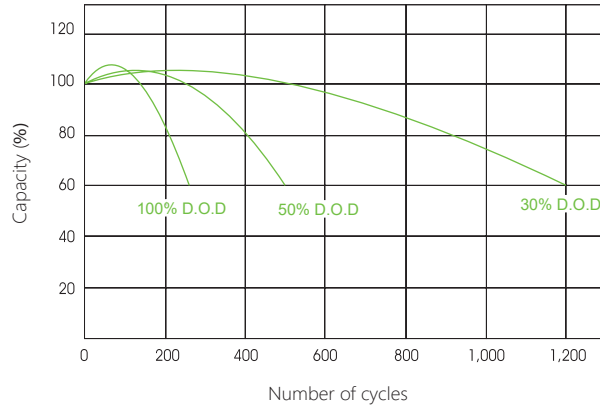
Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	1h	3h	5h	10h	20h		
1.60	267	201	125.7	76.2	33.3	21.61	12.21	6.55	-	-
1.75	237	181	111.7	72.0	32.2	20.90	12.00	6.45	-	-
1.85	189	148	104.7	63.8	28.5	18.88	11.42	6.14	-	-

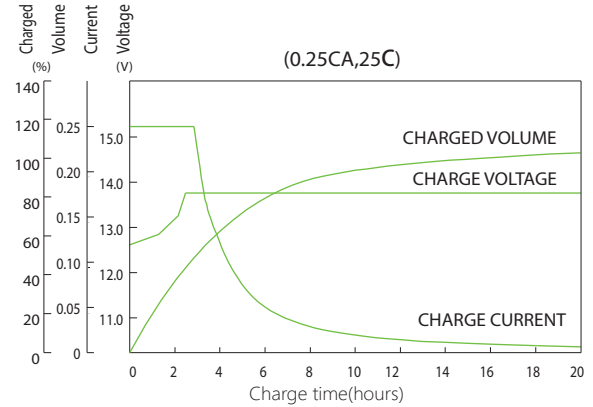
Constant Power Discharge (WATTS PER CELL@25°C)

Cut off voltage V/cell	10min	15min	30min	1h	3h	5h	10h	10h		
1.60	518	418	243.0	144.8	65.7	42.2	24.03	12.99	-	-
1.67	492	396	238.0	143.0	65.2	42.0	23.90	12.96	-	-
1.70	459	370	334.0	141.0	64.5	41.7	23.76	12.93	-	-
1.75	419	339	227.0	138.3	63.3	41.1	23.50	12.82	-	-
1.80	368	300	217.0	133.8	61.0	39.9	23.07	12.58	-	-
1.85	306	252	203.9	126.7	56.7	37.6	22.39	12.15	-	-

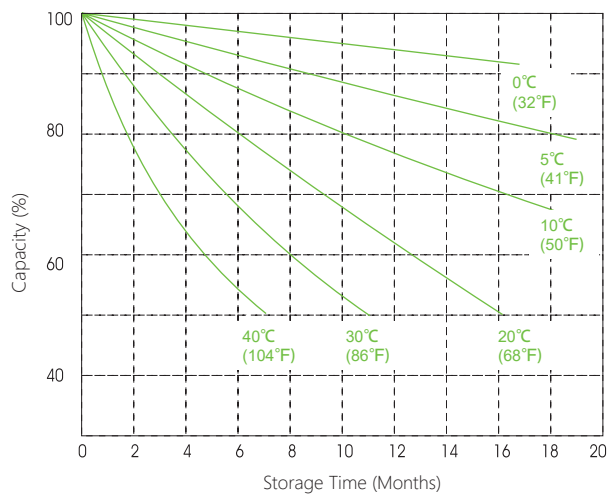
Cycle service life in relation to depth of discharge



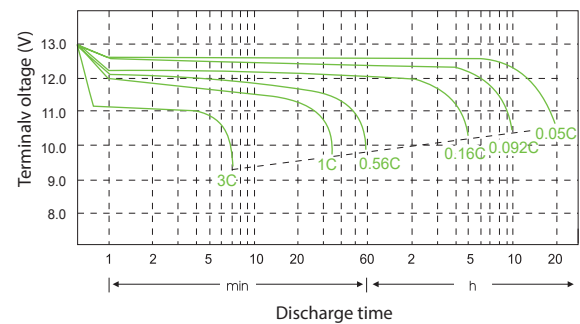
Constant voltage charge characteristic



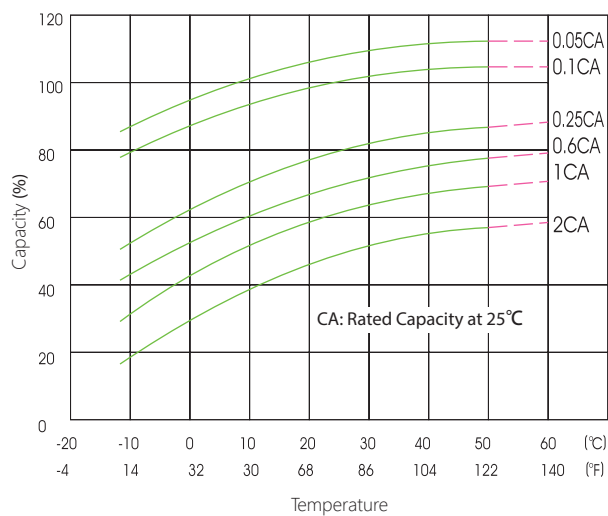
Self-Discharge Characteristics



Discharge Curves 77 F (25°C)



Temperature effects on capacity



Temperature effects float life

