

Specification

Nominal Voltage	12V		
Nominal Capacity	7.0Ah		
Dimensions	Length	151 ± 2mm	
	Width	65 ± 1mm	
	Container Height	93.5 ± 1mm	
	Total Height (with Terminal)	99 ± 1mm	
Approx Weight	Approx 1.85 kg		
Terminal	T1 / T2		
Container Material	ABS		
Rated Capacity	5.50 Ah/0.275A	(20hr, 1.80V/cell, 25°C)	
	5.17 Ah/0.517A	(10hr, 1.80V/cell, 25°C)	
	4.40 Ah/0.88A	(5hr, 1.75V/cell, 25°C)	
	4.125 Ah/1.375A	(3hr, 1.75V/cell, 25°C)	
	3.10 Ah/3.10A	(1hr, 1.60V/cell, 25°C)	
Max. Discharge Current	75A (5s)		
Internal Resistance	Approx 20.5mΩ		
Operating Temp. Range	Discharge	: -15~50°C	
	Charge	: 0~40°C	
	Storage	: -15~40°C	
Nominal Operating Temp. Range	25±3°C		
Cycle Use	Initial Charging Current less than 2.58A. Voltage		
	14.4V~15.0V at 25°C Temp. Coefficient -30mV/°C		
Standby Use	No limit on Initial Charging Current Voltage		
	13.5V~13.8V at 25°C Temp. Coefficient -20mV/°C		
Capacity affected by Temperature	40°C	103%	
	25°C	100%	
	0°C	86%	
Self Discharge	PB series batteries may be stored for up to 6 months at 25°C and then a freshening charge is required.		
	For higher temperatures the time will be shorter		



Applications

- ◆ All purpose
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system

Intertek



ISO14001



ISO9001



Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	5.50	4.75	3.80	2.90	2.35	1.50	1.15	0.95	0.75	0.65	0.55	0.44	0.24
1.80V/cell	7.00	5.65	4.45	3.15	2.65	1.60	1.20	1.00	0.78	0.70	0.62	0.47	0.25
1.75V/cell	7.50	6.10	4.65	3.35	2.75	1.65	1.25	1.05	0.80	0.73	0.65	0.48	0.26
1.70V/cell	8.00	6.40	4.85	3.55	2.85	1.70	1.30	1.09	0.85	0.75	0.73	0.50	0.27
1.65V/cell	8.50	6.75	5.00	3.70	2.95	1.80	1.35	1.13	0.90	0.78	0.75	0.52	0.28
1.60V/cell	9.00	7.00	5.25	3.85	3.05	1.90	1.40	1.18	0.95	0.83	0.80	0.53	0.29

Constant Power Discharge (Watts/cell) at 25 °C (77 °F)

F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	10.18	8.79	7.03	5.37	4.35	2.78	2.13	1.76	1.39	1.20	1.02	0.82	0.44
1.80V/cell	12.60	10.17	8.01	5.67	4.77	2.88	2.16	1.80	1.40	1.26	1.12	0.84	0.45
1.75V/cell	13.13	10.68	8.14	5.86	4.81	2.89	2.19	1.84	1.40	1.27	1.14	0.84	0.46
1.70V/cell	13.60	10.88	8.25	6.04	4.85	2.89	2.21	1.85	1.45	1.28	1.23	0.85	0.46
1.65V/cell	14.03	11.14	8.25	6.11	4.87	2.97	2.23	1.86	1.49	1.28	1.24	0.85	0.46
1.60V/cell	14.40	11.20	8.40	6.16	4.88	3.04	2.24	1.88	1.52	1.32	1.28	0.86	0.46

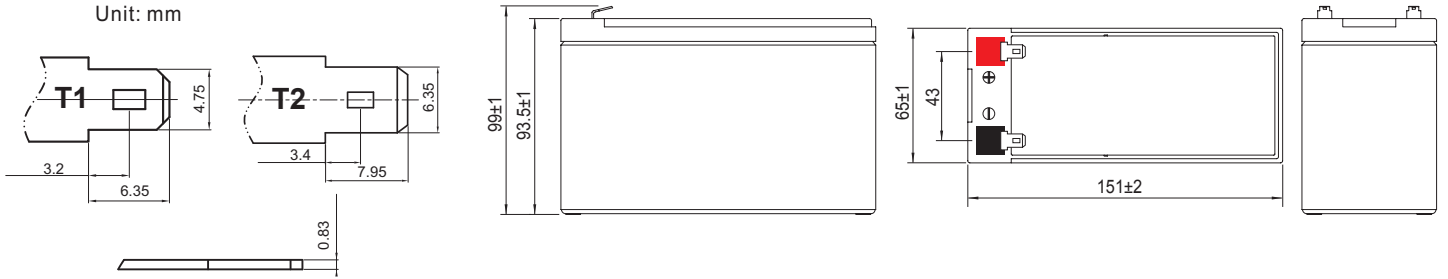
Disclaimer: Manufacturers have the right to self-modify the parameters of the updates without notice, please keep in touch with manufacturers to obtain the latest information.



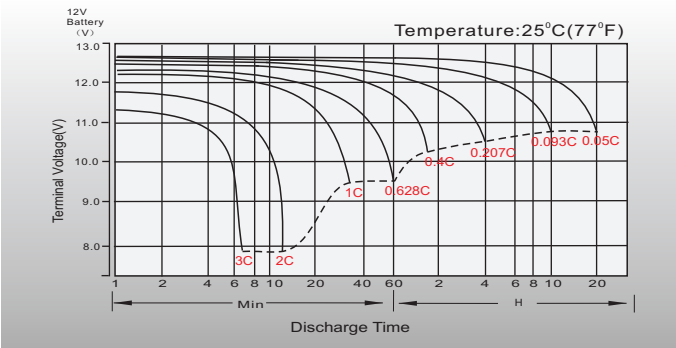
Dimensions

T1 - T2 Terminal

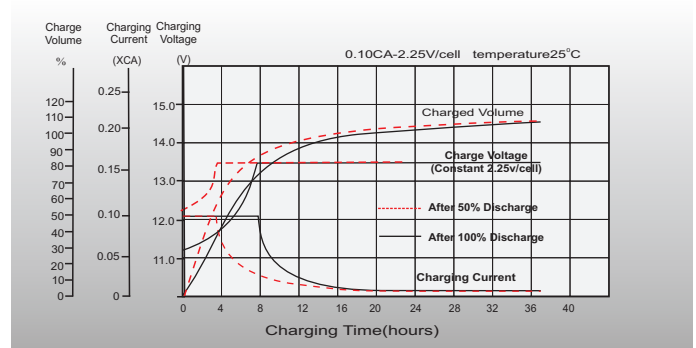
Unit: mm



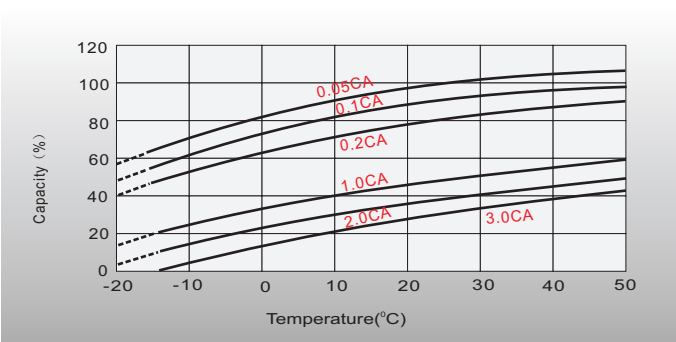
Discharge Characteristics



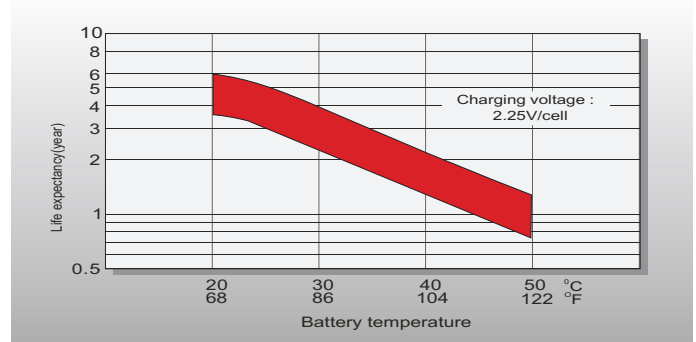
Float Charging Characteristics



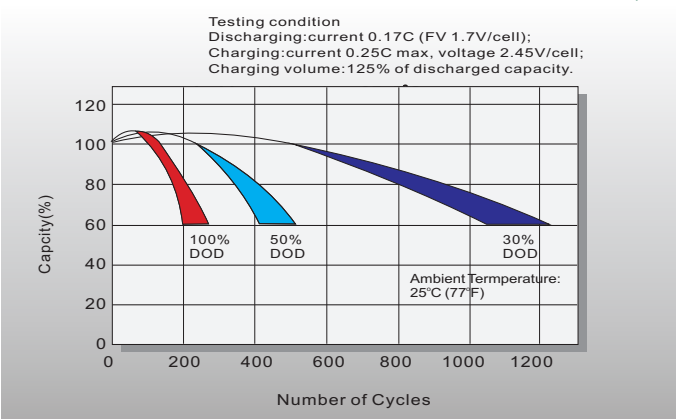
Temperature Effects in Relation to Battery Capacity



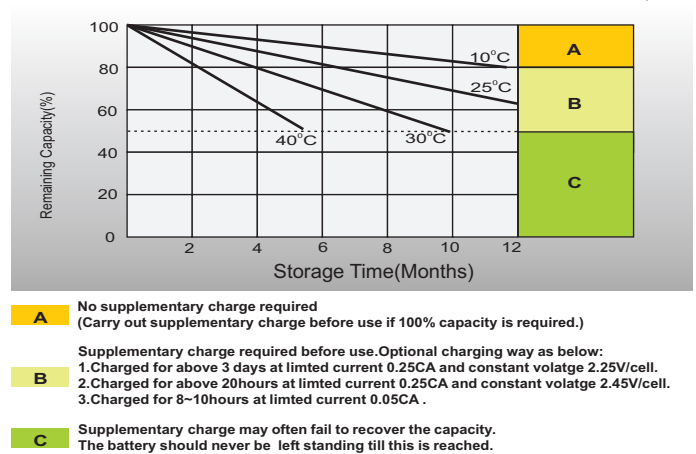
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Contact