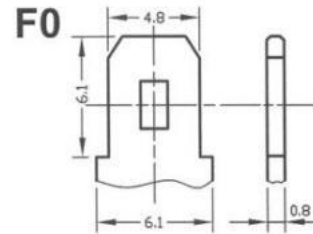


Valve Regulated Lead-Acid Battery



Model: BT-6M1.3AC(6V1.3AH)



Application

- ☆ Measuring equipment and instrument
- ☆ Telephone sets
- ☆ Lighting equipment
- ☆ Security systems

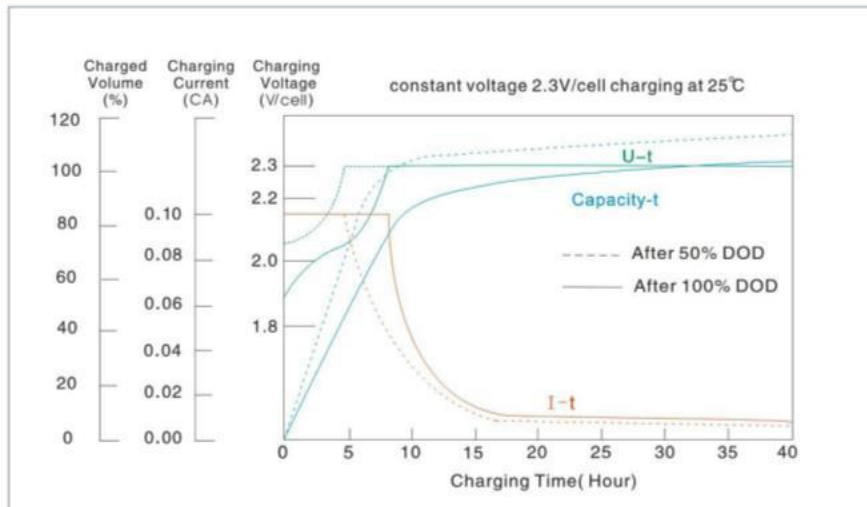
General Features

- ☆ Designed floating charging service life: 8years (25°C)
- ☆ Sealed and maintenance free operation
- ☆ Safety valve installation for explosion proof
- ☆ Low self-discharge characteristic
- ☆ Wide operating temperature range from 0°C-40°C
- ☆ Lead Calcium Aluminum Tin alloy high energy, prevent corrosion

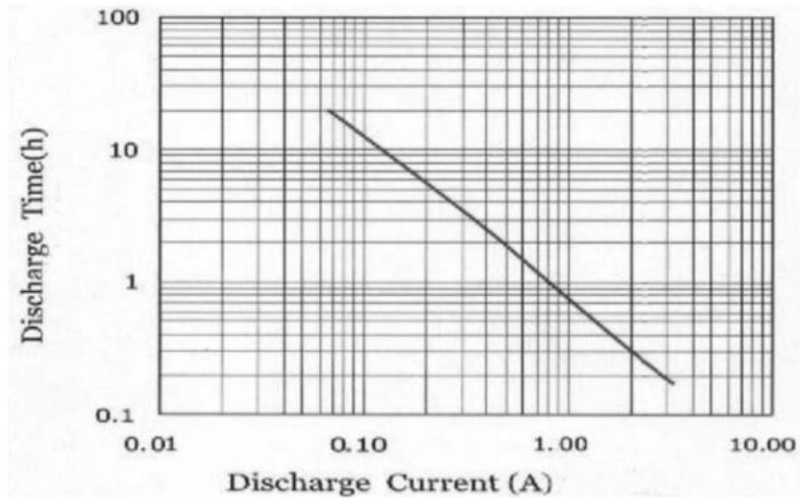
PHYSICAL SPECIFICATIONS		
Nominal Voltage		6V
Nominal Capacity (20HR)		1.3AH
Dimensions	Length	98±1mm
	Width	24±1mm
	Container height	52±1mm
	Total Height (with terminal)	58±1mm
Weight±3%		Approx 0.28 Kg(0.62lbs)
Internal Resistance(In full charge status)		≈40.2mΩ
Standard Terminals		F0(standard)

Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> 1. Limit initial current less than 0.325A. 2. Charge until battery voltage (under charge) reaches 7.05V to 7.2V at 25°C (77F) . 3. Hold at 7.05V to 7.2V until current drop to under0.0078A for at least 3 hours. 4. Temperature compensation coefficient of charging voltage is -15mV/°C.
Standby service	<ol style="list-style-type: none"> 1. Hold battery across constant voltage source of 6.8 to 6.9 volts with current limit 0.325A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status. 2. Temperature compensation coefficient of charging voltage is -9mV/°C
<p>NOTE : The battery should be charged within 6 months of storage ,Otherwise , permanent loss of capacity might occur as a result of sulfation</p>	

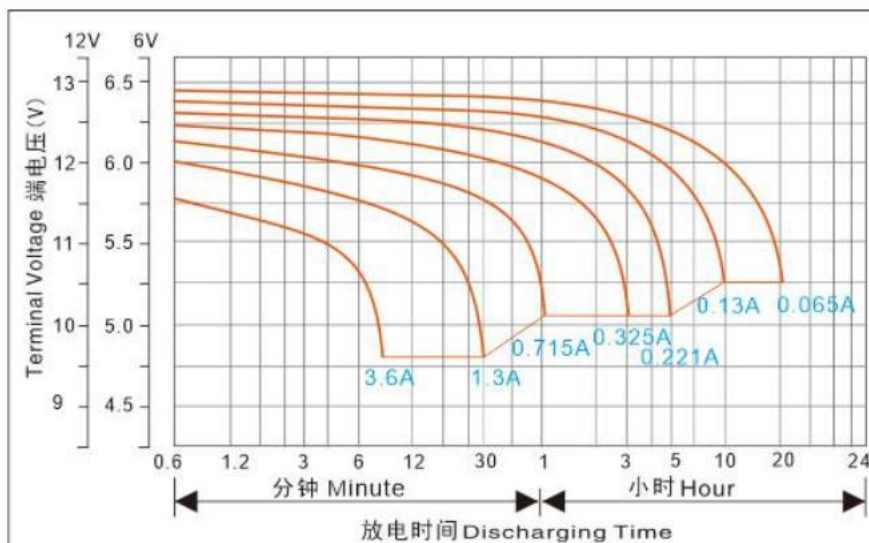
Charge Characteristics



Discharge Current & Discharge Duration Time (25°C/77°F)



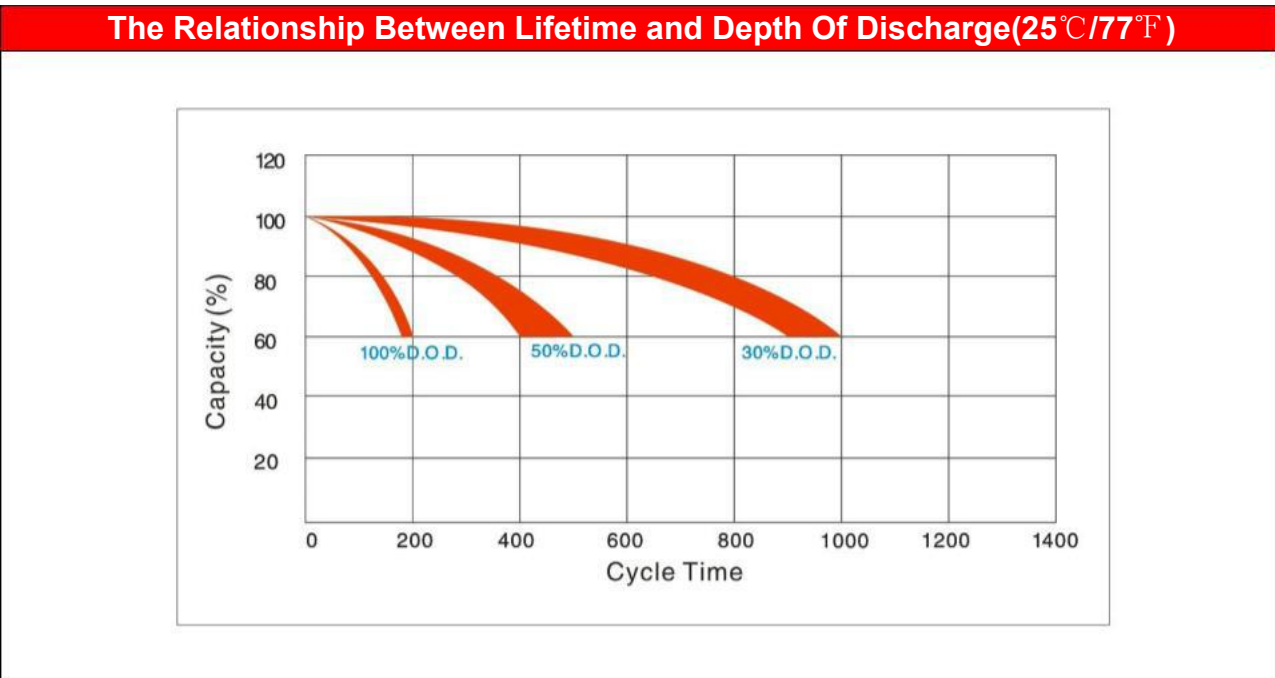
Discharge Characteristic (25°C/77°F)



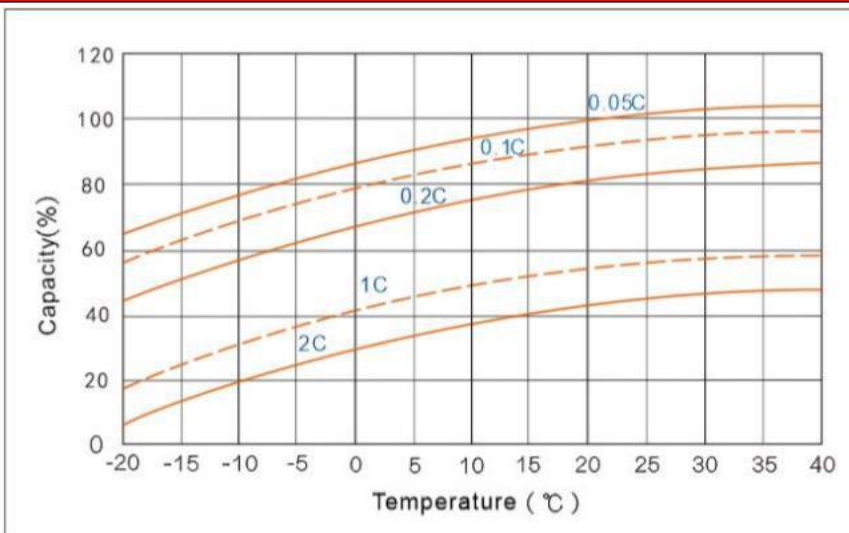
ELECTRICAL SPECIFICATIONS		
Rated Capacity	20 hour rate(65mA)	1.33AH
	10 hour rate(130mA)	1.25AH
	5 hour rate(221mA)	1.04AH
	27min rate(1300mA)	0.59AH
	7min rate(3900mA)	0.46AH
Capacity affected by Temperature (20Hour Rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	86%

Constant Current Discharge Data Sheet (Amperes at 25°C)													
End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
5.10	4.81	3.13	2.45	1.25	0.910	0.740	0.600	0.460	0.346	0.223	0.153	0.112	0.067
5.25	4.77	3.10	2.43	1.24	0.900	0.740	0.593	0.445	0.337	0.220	0.152	0.111	0.066
5.40	4.72	3.07	2.40	1.23	0.890	0.730	0.58	0.430	0.327	0.216	0.150	0.110	0.065

Constant Power Discharge Data Sheet (Watt at 25°C)													
End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
5.10	26.21	18.89	15.29	8.64	6.30	4.79	3.68	2.77	1.97	1.30	0.915	0.740	0.399
5.25	25.11	18.27	14.84	8.46	6.15	4.72	3.62	2.73	1.93	1.29	0.910	0.730	0.394
5.40	23.79	17.59	14.36	8.21	6.00	4.64	3.57	2.69	1.90	1.27	0.900	0.720	0.388



Capacity Curve at Different Temperature



Storage Characteristics

