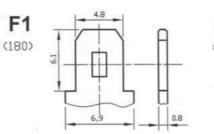
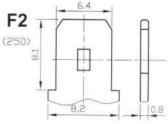
Valve Regulated Lead-Acid Battery



Model: BT-6M4.0AC(6V4.0AH)







Application

- $\stackrel{\scriptstyle \ensuremath{\sc delta}}{\sim}$ Measuring equipment and instrument
- $\stackrel{\scriptstyle }{\asymp}$ Telephone sets
- $\stackrel{\text{\tiny theta}}{\sim}$ Lighting equipment
- $\stackrel{\text{\tiny theta}}{\sim}$ UPS power supply

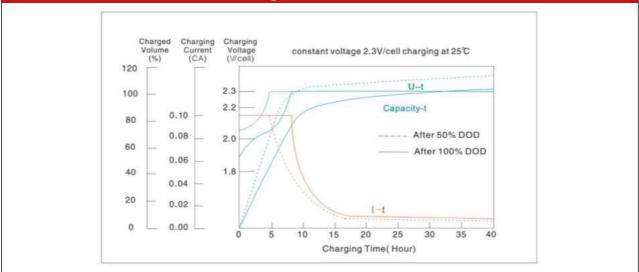
General Features

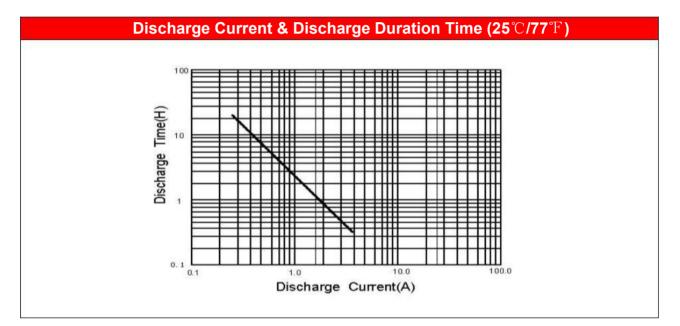
- \therefore Designed floating charging service life: 8 years (25°C)
- $\stackrel{\star}{\sim}$ Sealed and maintenance free operation
- $\stackrel{\wedge}{\asymp}$ Safety value installation for explosion proof
- $\stackrel{\scriptscriptstyle \wedge}{\rightarrowtail}$ Low self-discharge characteristic
- $\stackrel{\wedge}{\rightarrowtail}$ Wide operating temperature range from 0°C-40°C
- $\stackrel{\scriptstyle \wedge}{\sim}$ Lead Aluminum calcium Tin alloy high energy, prevent

	PHYSICAL SPECIFICATIO	NS				
	Nominal Voltage corrosion	6V				
Nor	ninal Capacity (20HR)	4.0AH				
	Length	70±1mm				
Dimensions	Width	47±1mm				
Dimensions	Container height	100±2mm				
2	Total Height (with terminal)	105±2mm				
	Weight±3%	Approx 0.710Kg(1.56lbs)				
Internal Res	sistance(In full charge status)	≈17.12mΩ				
8	Standard Terminals	F1/F2(standard)				

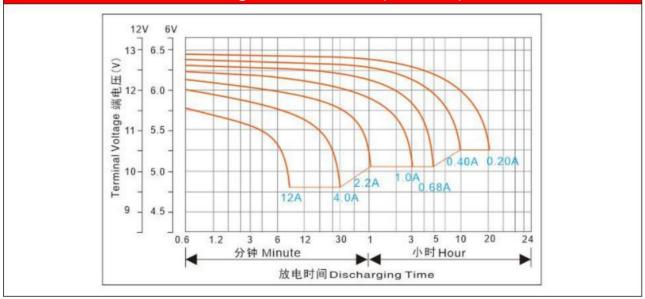
Constant – Voltage Charge									
		Limit initial current less than 1.0A.							
Cycle application	2.	Charge until battery voltage (under charge) reaches 7.05V to 7.2V at 25 $^\circ \!\!\!\!\!^\circ \mathbb{C}$ (77F).							
	3.	Hold at 7.05V to 7.2V until current drop to under 0.024A for at least 3 hours.							
	4.	Temperature compensation coefficient of charging voltage is -15mV/ $^\circ\!\mathrm{C}.$							
3	1.	Hold battery across constant voltage source of 6.8 to 6.9 volts with current limit							
Standby service		1.0A continuously .When held at this voltage , the battery will seek its own current							
		level and maintain itself in a fully charge status.							
8	2.	Temperature compensation coefficient of charging voltage is -9mV/ $^{\circ}\!\mathrm{C}$							
NOTE : The battery should be charged within 6 months of storage ,Otherwise , permanent loss of capacity might occur									
as a result of sulfation									

Charge Characteristics





Discharge Characteristic (25℃/77°F)



ELECTRICAL SPECIFICATIONS									
	20 hour rate(200mA)	4.08AH							
	10 hour rate(400mA)	3.84AH							
Rated Capacity	5 hour rate(680mA)	3.25AH							
	27 minute rate (4.0A)	1.80AH							
	7 minute rate (12A)	1.40AH							
Capacity affected by	40℃(104°F)	103%							
Temperature	25°C(77°F)	100%							
(20Hour Rate)	0℃(32°F)	86%							

Constant Current Discharge Data Sheet (Amperes at 25 $^\circ\!$													
End		М	inute (l	M)	16	Hour (H)							25
Voltage	5	10	15	30	45	1	1.5	2	3	5	8	10	20
5.10	14.78	9.86	7.86	4.03	3.03	2.28	1.85	1.42	1.06	0.670	0.449	0.388	0.204
5.25	14.17	9.68	7.69	3.91	2.96	2.27	1.82	1.37	1.03	0.657	0.440	0.384	0.202
5.40	13.41	9.44	7.47	3.77	2.83	2.25	1.78	1.31	1.00	0.649	0.440	0.380	0.200

Constant Power Discharge Data Sheet (Watt at 25℃)													
End	Minute (M)					Hour (H)							
Voltage	5	10	15	30	45	1	1.5	2	3	5	8	10	20
5.10	80.7	58.10	47.05	26.57	19.37	14.74	11.31	8.51	6.07	4.00	2.82	2.28	1.23
5.25	77.3	56.20	45.65	26.03	18.93	14.51	11.14	8.39	5.93	3.96	2.80	2.25	1.21
5.40	73.2	54.10	44.17	25.27	18.45	14.27	10.97	8.27	5.83	3.91	2.77	2.21	1.20

