TCB

LEAD-ACID RECHARGEABLE BATTERY

MODEL: BT-12M26AT (12V 26Ah)

Application

- ☆ Measuring equipment and instrument
- ☆ Telephone sets
- ☆ Lighting equipment
- ☆ Security systems
- ☆ UPS power supply

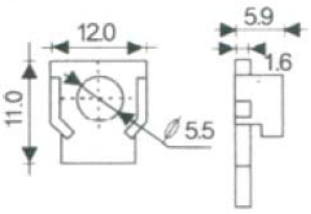
General Features

- ☆ Designed floating charging service life: 8 years (25℃)
- ☆ Sealed and maintenance free operation
- ☆ Safety valve installation for explosion proof
- ☆ Low self-discharge characteristic
- ☆ Wide operating temperature range from 10℃-40℃
- ☆ Lead Aluminum calcium Tin alloy high energy, prevent corrosion

PHYSICAL SPECIFICATIONS		
Nominal Voltage		12V
Nominal Capacity (20HR)		26AH
Dimensions	Length	174±2mm
	Width	166±2mm
	Container height	126±2mm
	Total Height (with terminal)	126±2mm
Weight		Approx 8.06Kg(17.77lbs)
Internal Resistance(In full charge status)		≈9.8mΩ
Standard Terminals		F7(standard)

ELECTRICAL SPECIFICATIONS		
Rated Capacity	20 hour rate(1.3A)	27.0AH
	10 hour rate(2.6A)	24.7AH
	5 hour rate(4.16A)	20.8AH
	27minute rate (26A)	11.7AH
	7 minute rate (78A)	9.09AH
Capacity affected by Temperature (20Hour Rate)	40℃(104℉)	103%
	25℃(77℉)	100%
	0℃(32℉)	86%

F7



Constant Current Discharge Data Sheet (Amperes at 25℃)										
End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	96.2	62.6	35.0	18.2	15.6	9.23	5.26	2.98	2.53	1.34
1.75	95.3	62.1	34.7	18.0	15.5	8.88	5.15	2.96	2.51	1.32
1.80	94.4	61.4	34.4	17.6	15.4	8.53	5.01	2.93	2.47	1.30

Constant Power Discharge Data Sheet (Watt at 25℃)										
End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	1154.5	752.1	419.9	218.7	187.8	110.39	63.14	35.80	30.02	15.68
1.75	1144.2	743.9	415.8	215.6	186.7	106.27	61.80	35.39	29.71	15.58
1.80	1131.8	736.6	411.6	213.6	184.7	102.45	60.25	35.08	29.40	15.48

CYCLE APPLICATION

1. Limit initial current less than 6,5A.
2. Charge until battery voltage (under charge) reaches 14,1V to 14,4V at 25ºC.
3. Hold at 14,1V to 14,4V until current drop to under 0,156A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/ºC.

STANDBY SERVICE

1. Hold battery across constant voltage source of 13,6V to 13,8V with current limit 6,5A 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 -18mV/ºC.

NOTE: the battery should be charged within 6 months of storage. Otherwise, permanent loss of capacity might occur as a result of sulfation.

FUJIAN QUANZHOU SAITE POWER SOURCE
SCIENCE & TECHNOLOGY CO.,LTD.
TECNOBAT, LDA.

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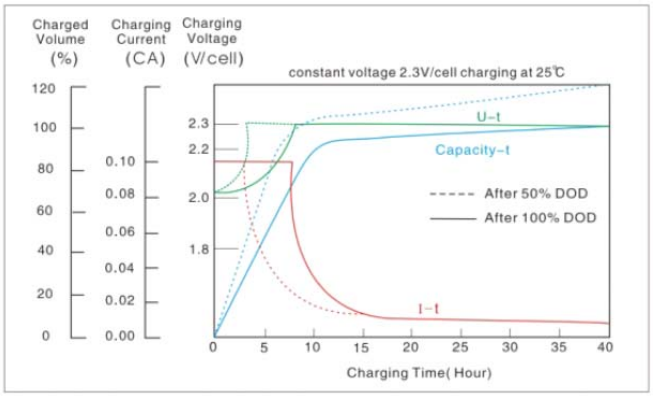
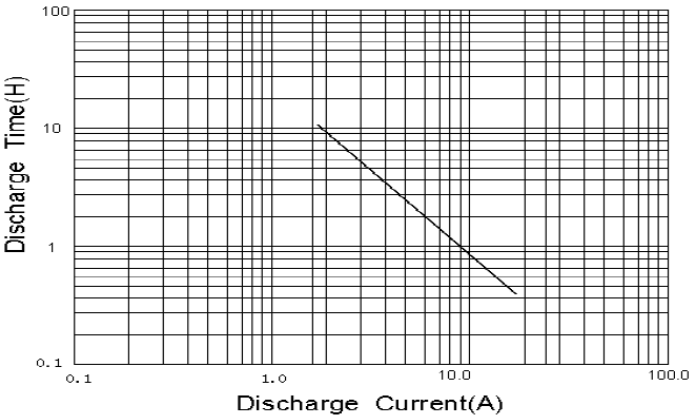
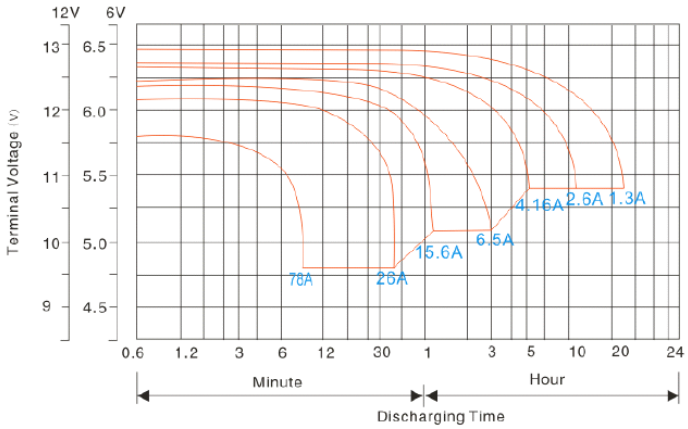


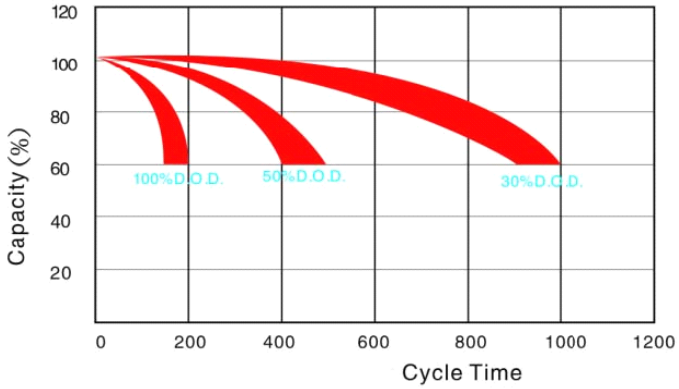
Charge Characteristics



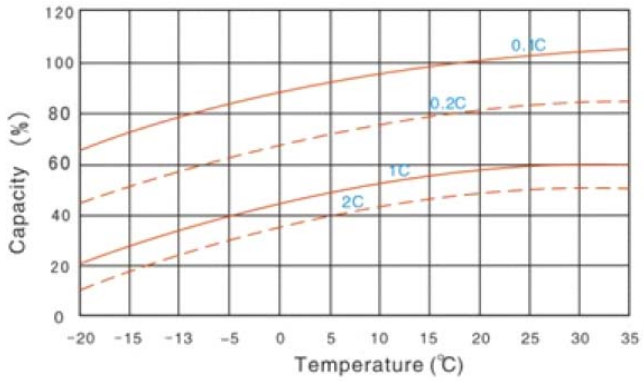
Discharge Current & Discharge Duration (25ºC)



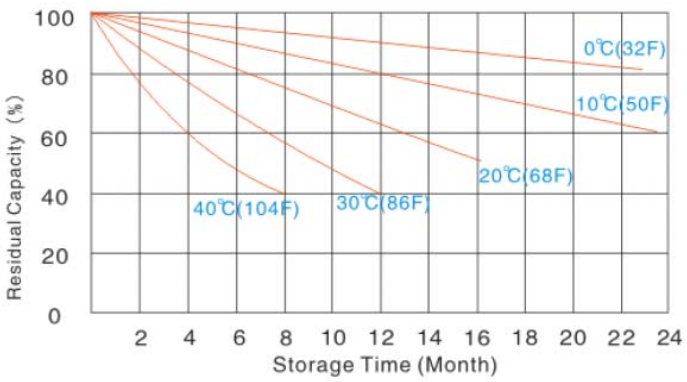
Discharge Characteristics



The Relationship Between Lifetime and Depth Of Discharge(25ºC)



Capacity Curve at Different Temperature



Storage Characteristics

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