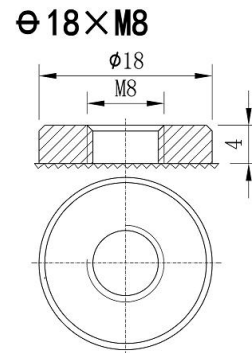


AGM Deep Cycle Battery



Model: BT-200-12 (12V200AH)



Application

- ☆ UPS power supply
- ☆ Telecom Equipment
- ☆ Power station
- ☆ Solar/wind energy storage system

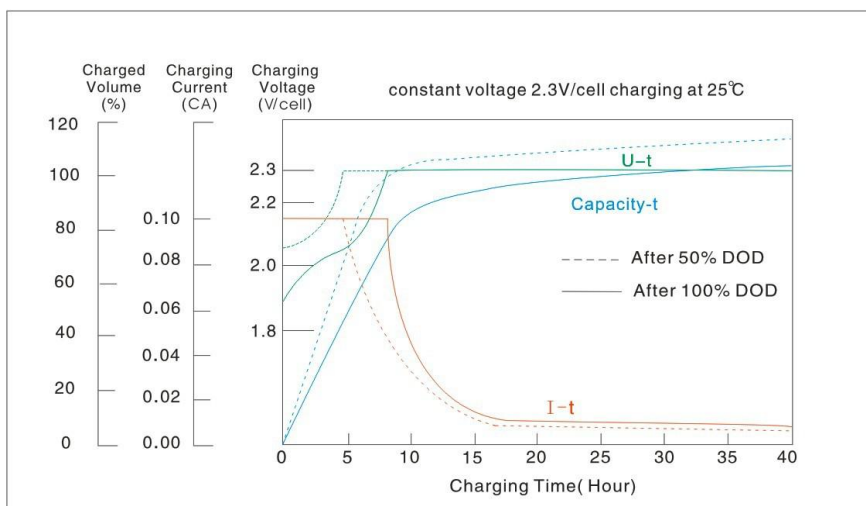
General Features

- ☆ Thick plates and high-density active material
- ☆ High power density
- ☆ Longer life in deep cycle applications
- ☆ Excellent recovery from deep discharge
- ☆ Wide operating temperature range from -10°C-40°C

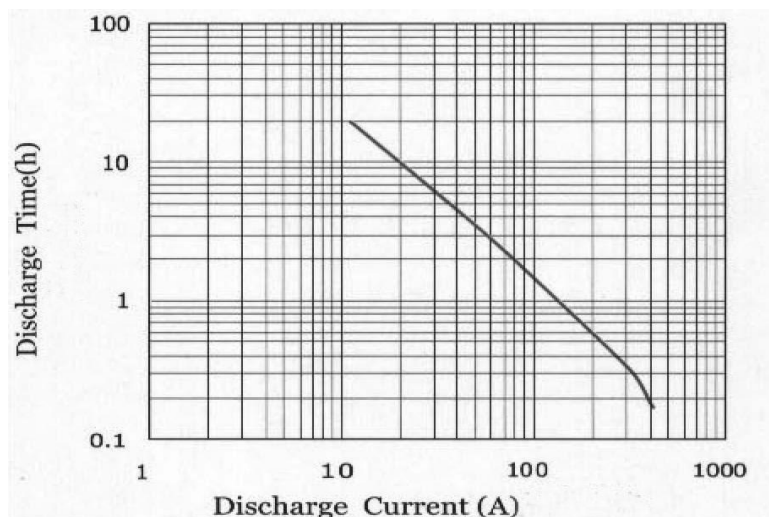
PHYSICAL SPECIFICATIONS		
Nominal Voltage	12V	
Nominal Capacity (10HR)	200AH	
Dimensions	Length	523±5mm
	Width	239±2mm
	Container height	218±2mm
	Total Height (with terminal)	222±2mm
Weight±3%		Approx 61.0Kg(134.4lbs)
Internal Resistance(In full charge status)		≈2.55mΩ
Standard Terminals		T41(standard)

Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> 1. Limit initial current less than 52.5A. 2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C (77F) . 3. Hold at 14.1V to 14.4V until current drop to under 1.2A for at least 3 hours. 4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby service	<ol style="list-style-type: none"> 1. Hold battery across constant voltage source of 13.6to 13.8 volts with current limit 52.5A 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/°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>	

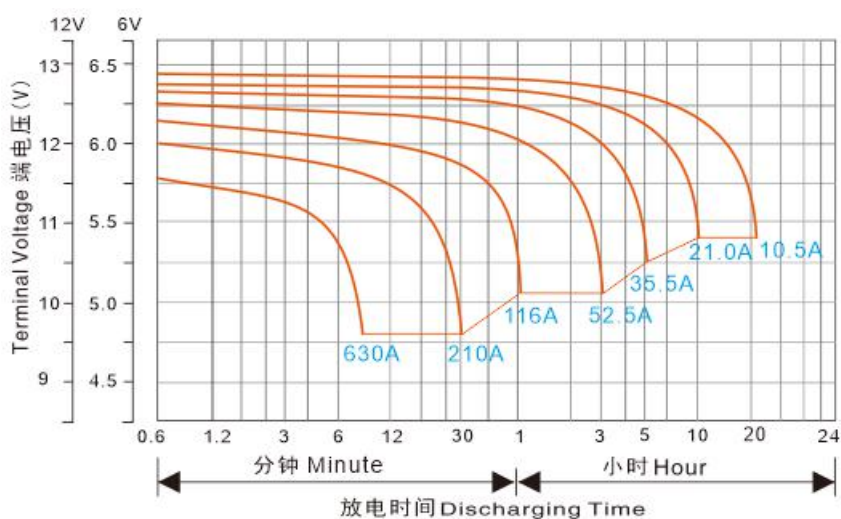
Charge Characteristics



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



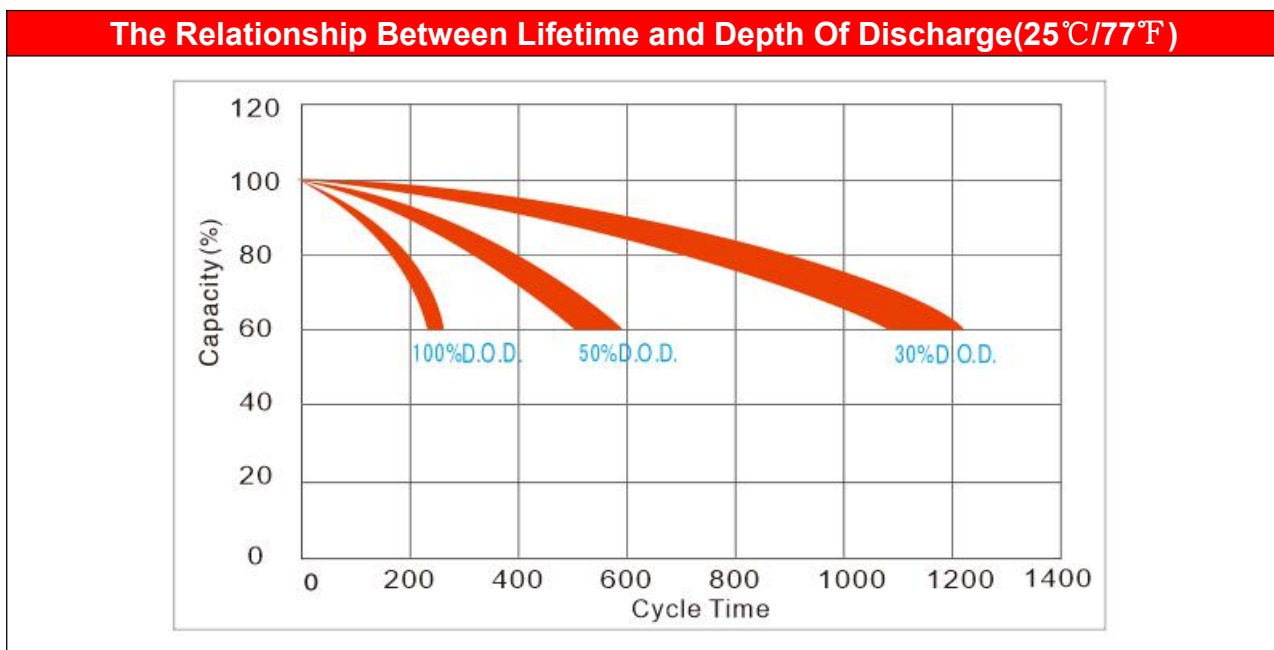
Discharge Characteristic (25°C/77°F)



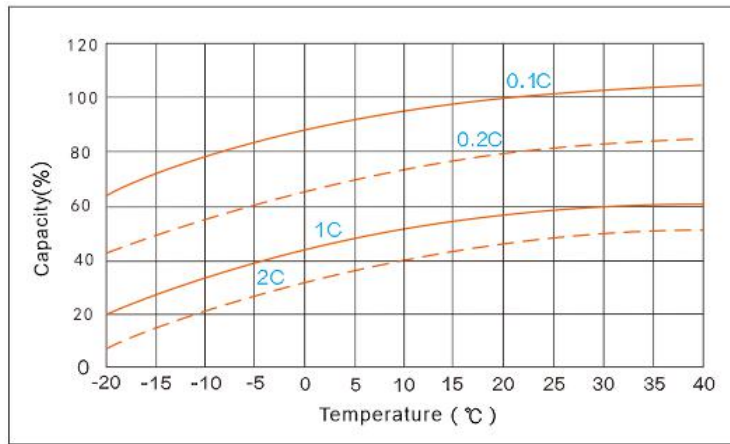
ELECTRICAL SPECIFICATIONS		
Rated Capacity	20 hour rate(10.5A)	220AH
	10 hour rate(21A)	210AH
	5 hour rate(35.5A)	178AH
	3 hour rate(52.5A)	158AH
	1 hour rate (116A)	118AH
Capacity affected by Temperature (10Hour Rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	86%

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
10.20	643	490	370	196	182	128	100.7	84.3	52.9	36.7	26.1	21.3	10.9
10.50	572	449	345	188	174	122	96.8	81.3	51.1	35.0	24.7	21.1	10.8
10.80	531	408	323	182	165	117	92.8	78.1	49.3	33.5	23.5	20.8	10.7

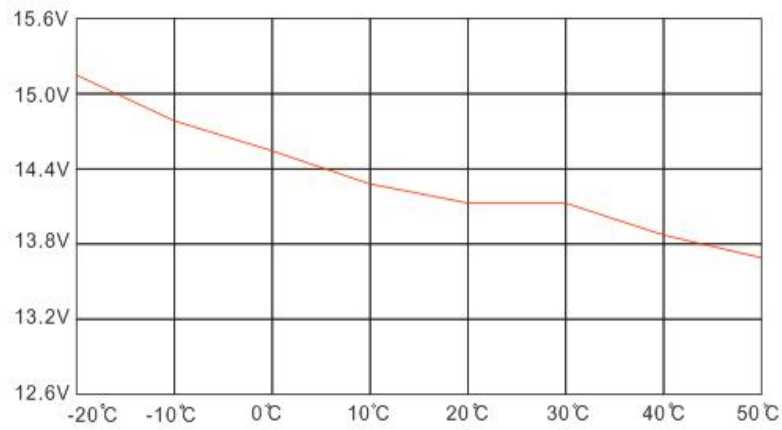
Constant Power Discharge Data Sheet (Watt at 25°C)													
End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
10.20	6390	5410	3894	2446	1837	1597	1165	876	653	422	312	265	139
10.50	6145	4594	3495	2390	1797	1572	1146	847	632	408	308	257	135
10.80	5717	4287	3336	2338	1735	1501	1094	819	610	394	304	245	132



Capacity Curve at Different Temperature



Charge Voltage VS Ambient Temperature Curve



Storage Characteristics

