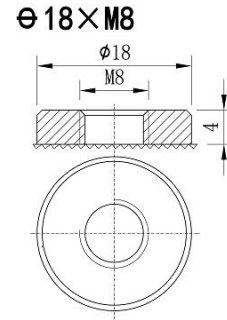


GEL DEEP CYCLE BATTERY



Model: BT-65-12 (12V65AH)



Application

- ☆ UPS power supply
- ☆ Telecom Equipment
- ☆ Power Station
- ☆ Solar system
- ☆ Wind system

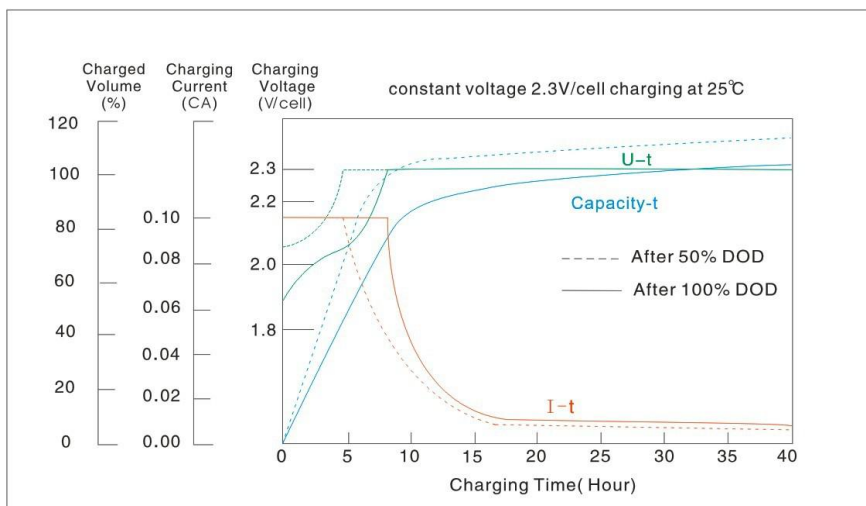
General Features

- ☆ Thick plates and high-density active material
- ☆ High power density
- ☆ Longer life in deep cycle applications
- ☆ Excellent recovery from deep discharge
- ☆ Extremely low self-discharge rate
- ☆ Wide suitability of ambient temperature -10°C~50°C

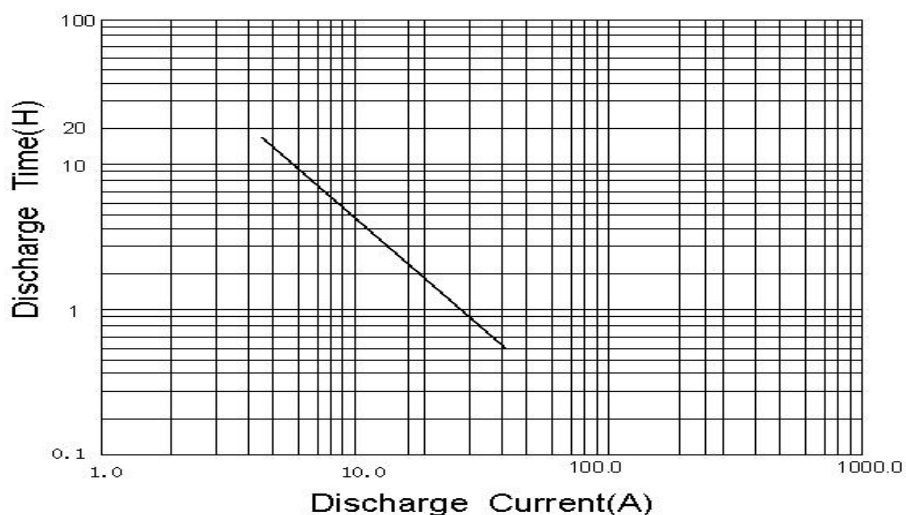
PHYSICAL SPECIFICATIONS		
Nominal Voltage	12V	
Nominal Capacity (10HR)	65AH	
Dimensions	Length	350±3mm
	Width	167±2mm
	Container height	173±2mm
	Total Height (with terminal)	173±2mm
Weight±3%	Approx 19.4Kg(42.77lbs)	
Internal Resistance(In full charge status)	≈6.2mΩ	
Standard Terminals	T11(standard)	

Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> 1. Limit initial current less than 13A. 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 0.39A 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 13.6 to 13.8 volts with current limit 13A 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 9 months of storage ,Otherwise , permanent loss of capacity might occur as a result of sulfation</p>	

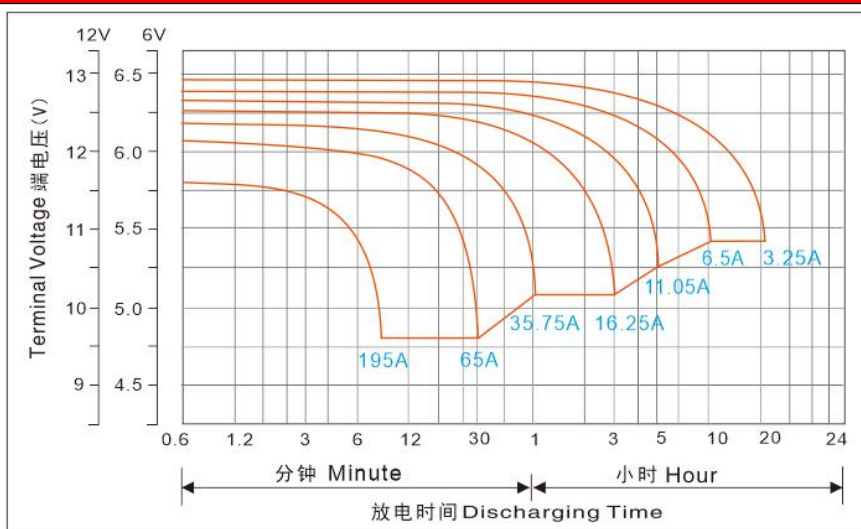
Charge Characteristics



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



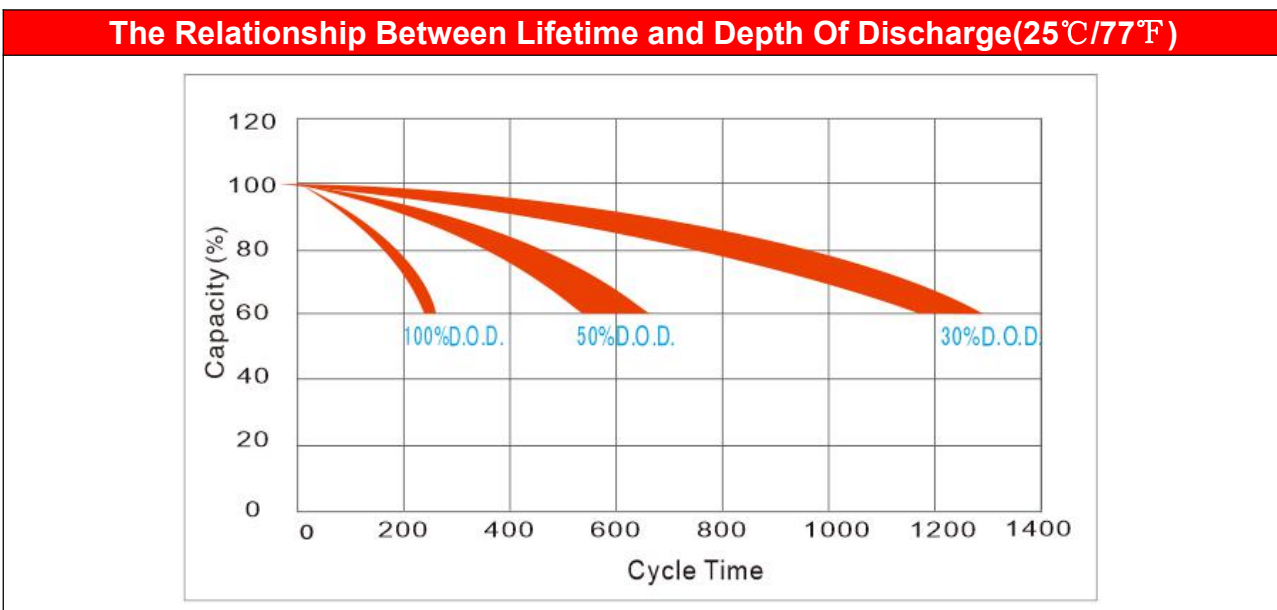
Discharge Characteristic (25°C/77°F)



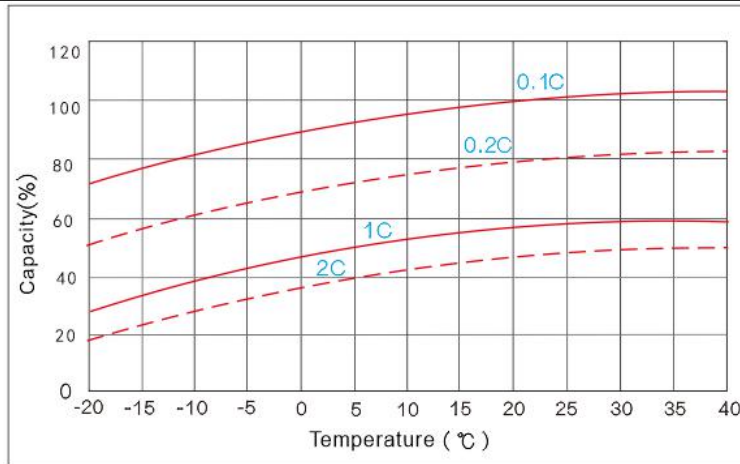
ELECTRICAL SPECIFICATIONS		
Rated Capacity	20 hour rate(3.25A)	67.50AH
	10 hour rate(6.50A)	65.00AH
	5 hour rate(11.05A)	55.25AH
	3 hour rate(16.25A)	48.80AH
	1 hour rate (35.75A)	36.00AH
Capacity affected by Temperature (10Hour Rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	86%

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	202	154	128	61.7	57.2	40.2	31.7	26.3	16.6	11.6	8.23	6.87	3.51
10.50	180	141	120	59.2	54.6	38.6	30.5	25.3	16.1	11.0	7.78	6.63	3.48
10.80	167	129	112	57.2	52.1	37.0	29.2	24.3	15.6	10.6	7.39	6.51	3.44

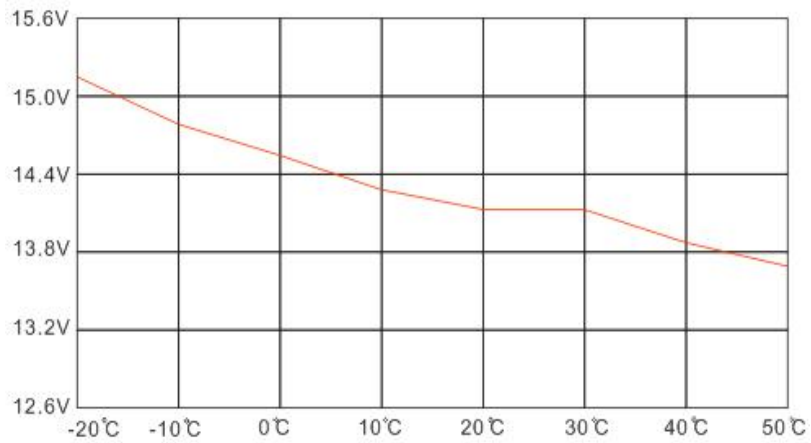
Constant Power Discharge Data Sheet (Watt at 25°C)													
End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
10.20	2016	1707	1379	772	580	504	367	276	206	133	98.6	83.7	43.9
10.50	1939	1449	1238	754	567	496	362	267	200	129	97.3	81.2	42.5
10.80	1804	1353	1182	738	548	473	345	258	193	124	96.0	77.3	41.6



Capacity Curve at Different Temperature



Charge Voltage VS Ambient Temperature Curve



Storage Characteristics

