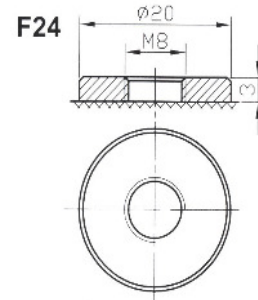


GEL Deep Cycle Battery

Model: WT-EB-200 (2V200AH)



Application

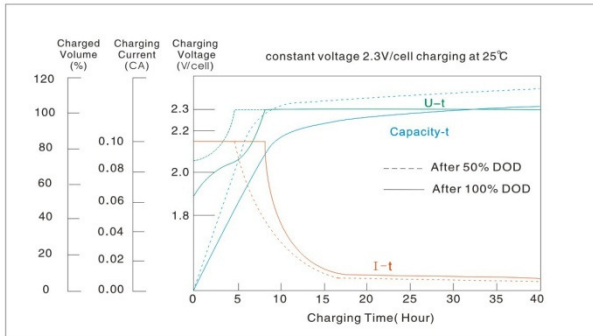
- ☆ UPS power supply
- ☆ Telecom Equipment
- ☆ Power Station

General Features

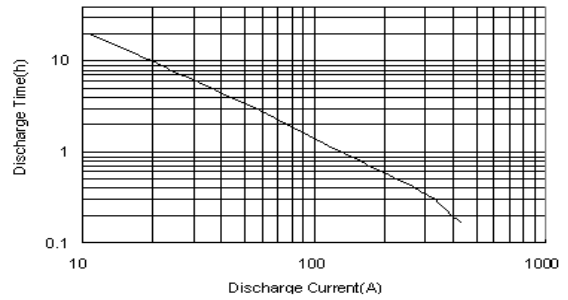
- ☆ Designed floating charging service life: 18 years (25°C)
- ☆ Sealed and maintenance free operation
- ☆ Safety valve installation for explosion proof
- ☆ Low self-discharge characteristic
- ☆ Wide operating temperature range from -10°C ~ 50°C
- ☆ Lead Calcium Aluminum Tin alloy high energy, prevent corrosion

PHYSICAL SPECIFICATIONS										
Nominal Voltage						2V				
Nominal Capacity (10HR)						200AH				
Dimensions	Length					173±2mm				
	Width					110±2mm				
	Container height					329±3mm				
	Total Height (with terminal)					363±3mm				
Weight±3%						Approx 13.6Kg(29.99lbs)				
Internal Resistance(In full charge status)						≈0.78mΩ				
Standard Terminals						F24				
Constant – Voltage Charge										
Cycle application		1. Limit initial current less than 30A. 2. Charge until battery voltage (under charge) reaches 2.30V to 2.35V at 25°C (77F). 3. Hold at 2.30V to 2.35V until current drop to under 1.2A for at least 3 hours. 4. Temperature compensation coefficient of charging voltage is -5mV/°C.								
Standby service		1. Hold battery across constant voltage source of 2.26to 2.28 volts with current limit 30A 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 -3mV/°C								
NOTE : The battery should be charged within 9 months of storage ,Otherwise , permanent loss of capacity might occur as a result of sulfation										
Constant Current Discharge Data Sheet (Amperes at 25°C)										
End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	430.2	331.7	276.1	144.4	125.9	74.2	42.8	24.5	50.3	10.9
1.75	426.3	328.8	274.1	143.4	122.9	71.6	41.3	24.3	35.2	10.8
1.80	421.5	324.9	271.2	141.5	120.0	68.9	39.7	24.0	20.0	10.7
Constant Power Discharge Data Sheet (Watt at 25°C)										
End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	778.5	610.7	512.6	275.8	244.2	144.8	83.9	50.0	101.7	22.4
1.75	777.6	608.8	511.7	273.1	238.5	140.3	81.3	49.0	70.8	22.3
1.80	775.6	606.8	510.8	270.2	232.8	135.7	78.6	47.8	40.0	22.1

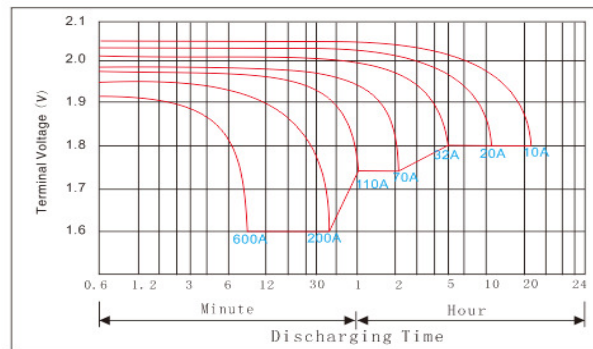
Charge Characteristics



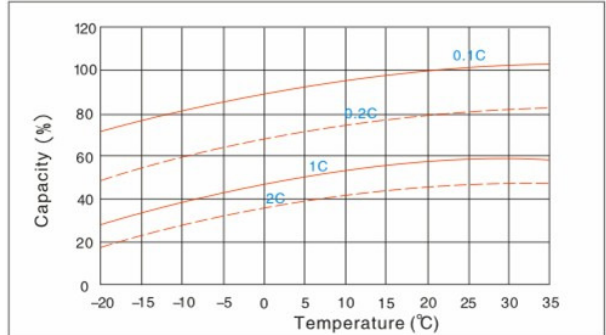
Discharge Current & Discharge Duration Time (25°C/77°F)



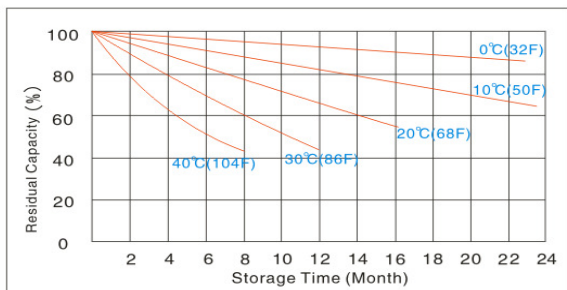
Discharge Characteristic (25°C/77°F)



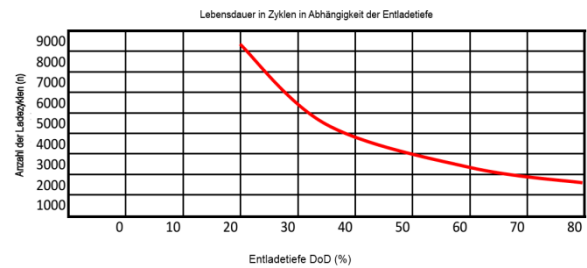
Capacity Curve at Different Temperature



Storage Characteristics



The Relationship Between Lifetime and Depth Of Discharge(25°C/77°F)



ELECTRICAL SPECIFICATIONS

Rated Capacity	100 hour rate(2A)	250AH
	50 hour rate(4A)	240AH
	24 hour rate(8.3A)	220AH
	20 hour rate(10A)	215AH
	10 hour rate(20A)	205AH
	5 hour rate(32A)	160AH
	3 hour rate(50A)	150AH
	1 hour rate (110A)	110AH
Capacity affected by Temperature (10Hour Rate)	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

Westech-Solar Energy GmbH
Robert Koch-Straße 3a
82152Planegg

Tel: 089 89545770
email: verkauf@westech-solar.de
<http://www.westech-pv.com>