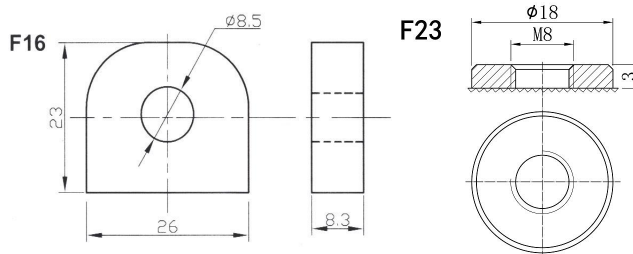


AGM Deep Cycle Battery



Model: BT-150-12 (12V150AH)



Application

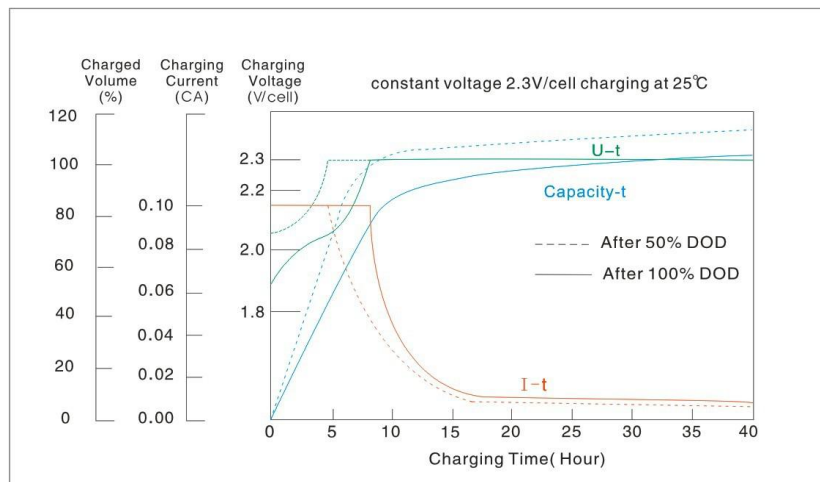
- ☆ UPS power supply
- ☆ Telecom Equipment
- ☆ Power station
- ☆ Solar/wind energy storage system

General Features

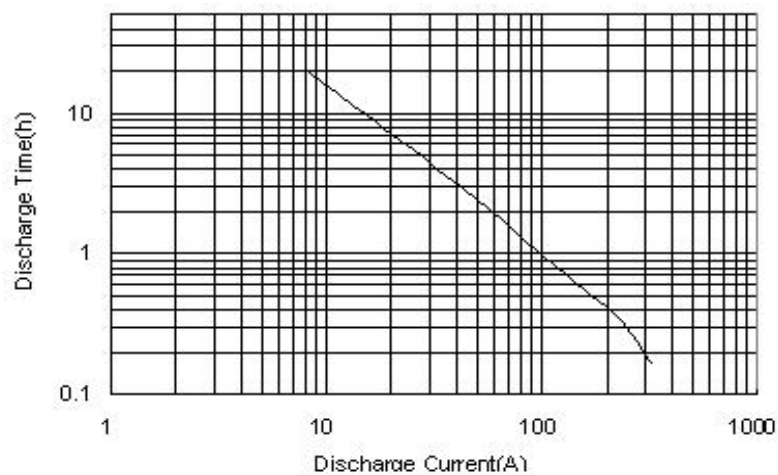
- ☆ Thick plates and high-density active material
- ☆ High power density
- ☆ Longer life in deep cycle applications
- ☆ Excellent recovery from deep discharge
- ☆ Wide operating temperature range from -10°C-40°C

PHYSICAL SPECIFICATIONS		
Nominal Voltage		12V
Nominal Capacity (10HR)		150AH
Dimensions	Length	482±4mm
	Width	171±2mm
	Container height	240±2mm
	Total Height (with terminal)	240±2mm
Weight±3%		Approx 44.00Kg(97.0lbs)
Internal Resistance(In full charge status)		≈3.0mΩ
Standard Terminals		F16/F23 (standard)

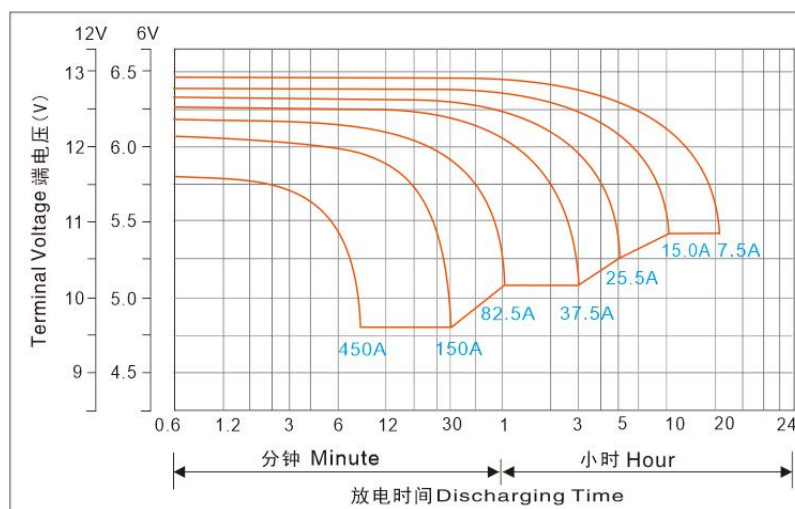
Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> Limit initial current less than 37.5A. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C (77°F) . Hold at 14.1V to 14.4V until current drop to under 0.9A for at least 3 hours. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby service	<ol style="list-style-type: none"> Hold battery across constant voltage source of 13.6to 13.8 volts with current limit 37.5A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status. Temperature compensation coefficient of charging voltage is -18mV/°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 Current & Discharge Duration Time (25°C/77°F)



Discharge Characteristic (25°C/77°F)

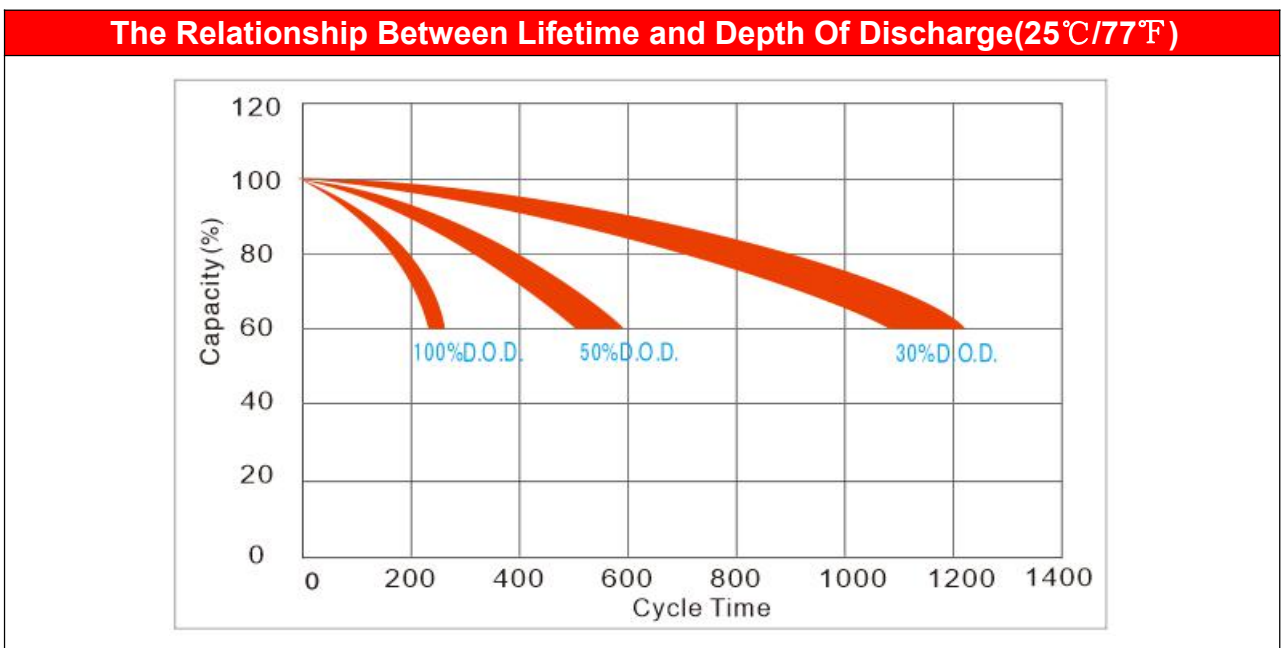


ELECTRICAL SPECIFICATIONS

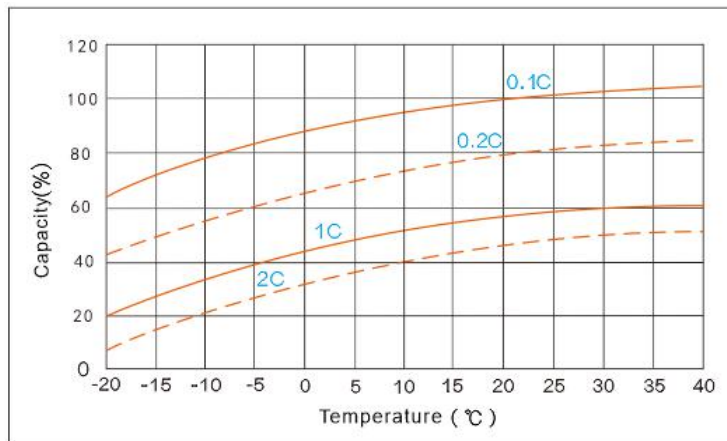
Rated Capacity	20 hour rate(7.5A)	154.5AH
	10 hour rate(15.0A)	151.0AH
	5 hour rate(25.5A)	127.5AH
	3 hour rate(37.5A)	114.0AH
	1 hour rate (82.5A)	84.0AH
Capacity affected by Temperature (10Hour Rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	86%

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	472	360	271	144	133	93.6	73.9	61.9	38.8	26.95	19.17	15.88	8.03
10.50	419	330	253	138	127	89.9	71.0	59.7	37.5	25.73	18.13	15.58	7.95
10.80	389	300	237	133	121	86.1	68.1	57.3	36.2	24.62	17.23	15.13	7.85

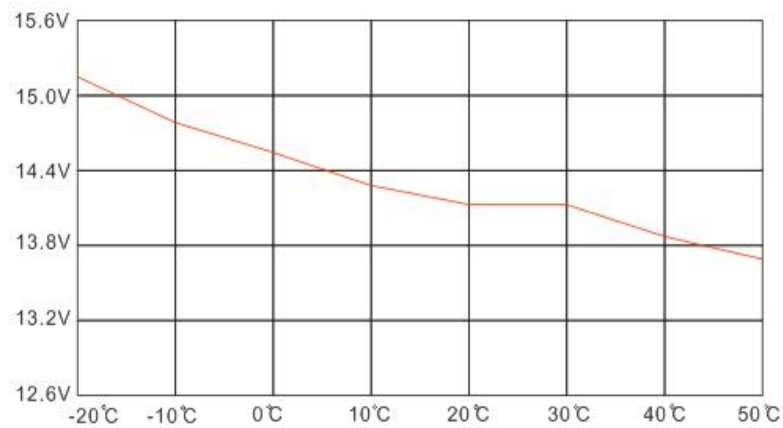
Constant Power Discharge Data Sheet (Watt at 25°C)													
End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
10.20	4695	3975	2861	1797	1350	1173	855	644	480	310	230	195	102.2
10.50	4515	3375	2568	1756	1320	1155	842	623	465	300	227	189	99.0
10.80	4200	3150	2452	1718	1275	1103	804	602	449	289	224	180	96.8



Capacity Curve at Different Temperature



Charge Voltage VS Ambient Temperature Curve



Storage Characteristics

