GeTX 12V200Ah

Solar and UPS Battery

Solar and UPS Battery is manufactured with special separators and silica gel immobilizing the electrolyte inside the battery. The proven silica gel technology can improve battery cycle life and performance at wider temperature range. The deep discharge cycle life is increased 50% compared with the GP series battery.

Application

* Emergency Power System
* Communication equipment
* Telecommunication systems
* Uninterruptible power supplies
* Electric toy car and wheelchairs, etc.
* Power tools
* Alarm system
* Marine equipment
* Medical equipment
* Fire and Security System

General Features

* Heavy Duty Grid
* Mechanized assembly
* Non-spillable construction
* High Reliability and Stability
* Sealed and Maintenance-free
* Long Life and low self-discharge design

Construction

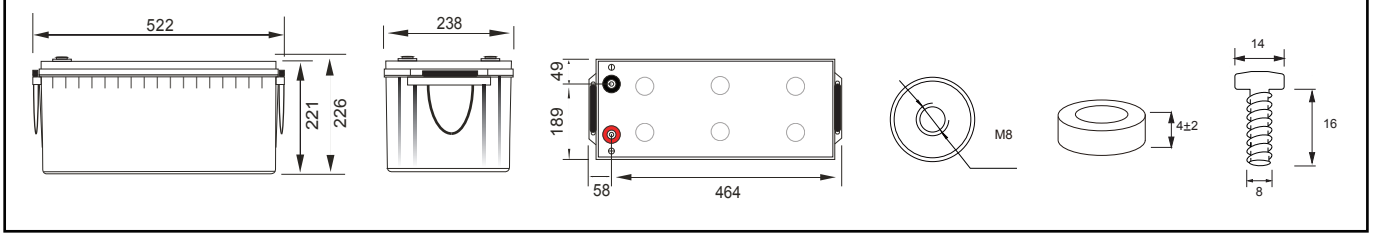
* Positive ..... Lead dioxide
* Electrolyte ..... Sulfuric acid
* Separator ..... Fiber glass
* Container ..... ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
* Negative ..... Lead
* Safety Valve ..... EPDR
* Terminal ..... Copper

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10 Hour rate)		200Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	240mm (9.44 inches)	221mm (8.70 inches)	226mm (8.89 inches)
Approx Weight	57kg(125.66lbs) ± 3%			
Capacity @ 25˚C (77 ˚F)	10 hour rate(20A,10.8V)	5 hour rate(32A,10.5V)	3 hour rate(47.6A,10.8V)	1 hour rate(120A,9.6V)
	200Ah	160Ah	142.8Ah	120Ah
Max.discharge current	1400A (5 Sec.)			
Internal Resistance	Full charged at 25˚C (77˚F) : Approx 2.5mΩ			
Capacity affected by Temp.(10 HR)	40˚C (104˚F)	25˚C (77˚F)	0˚C (32˚F)	-15˚C (5˚F)
	102%	100%	85%	65%
Self Discharge @25˚C (77 ˚F)	After 3 months storage		After 6 months storage	After 12 months storage
	91%		82%	64%
Charge method @25˚C (77˚F)	Cycle Use		Float Use	
	14.40-14.70V (Initial charging current less than 60A)		13.50-13.80V	

Outer dimension (mm)

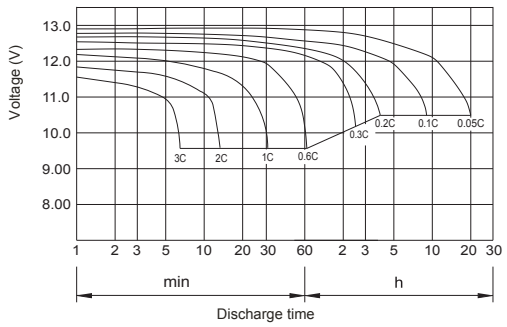
Terminal Type (mm)



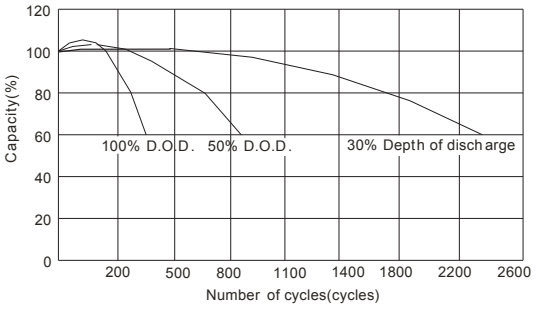
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃ (77˚F)

F.V\TIME		5min	10min	15min	30min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
9.60V	A	640.6	422.0	340.2	228.0	120.0	70.0	51.4	40.0	33.0	23.4	21.0	11.3
	W	6611.0	4507.0	3647.6	2451.5	1296.0	768.6	572.1	450.0	375.2	268.2	242.6	131.9
10.20V	A	620.4	380.8	320.4	218.0	112.8	66.8	50.0	39.0	32.4	22.8	20.6	11.0
	W	6625.9	4252.0	3585.3	2447.3	1275.8	769.9	579.0	453.5	377.7	266.8	242.0	129.0
10.50V	A	600.2	340.6	280.2	204.0	109.2	65.2	48.8	38.4	32.0	22.6	20.2	11.0
	W	6554.2	3874.7	3197.6	2347.6	1264.5	756.2	568.6	449.3	375.2	265.8	239.0	130.0
10.80V	A	578.4	321.0	260.4	188.0	105.6	63.6	47.6	37.8	31.2	22.0	20.0	10.8
	W	6489.6	3701.8	2999.8	2178.2	1229.2	744.9	561.2	446.3	368.8	260.7	237.7	128.6
11.10V	A	559.0	300.8	240.4	168.0	102.0	62.0	46.0	36.8	30.4	21.4	19.0	10.2
	W	6339.1	3483.3	2798.3	1965.6	1199.5	732.8	546.5	438.3	362.8	256.3	229.4	123.6

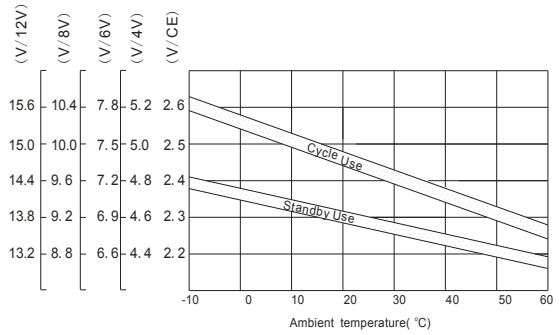
Discharge characteristic Curve



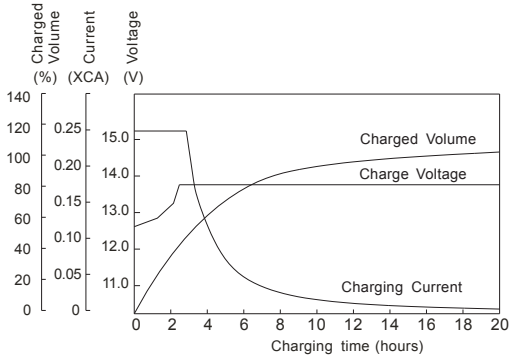
Cycle service life in relation to depth of discharge



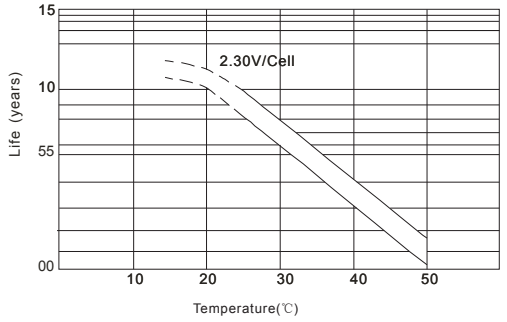
Relationship between charging voltage and temperature



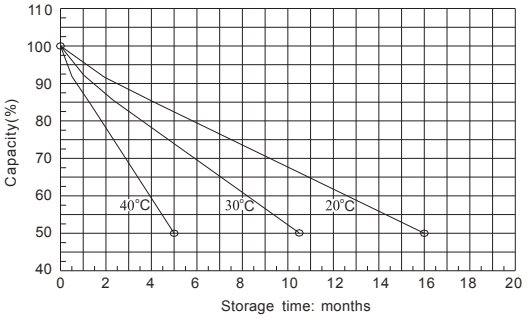
Constant voltage charging characteristic (0.25CA, at 25℃)



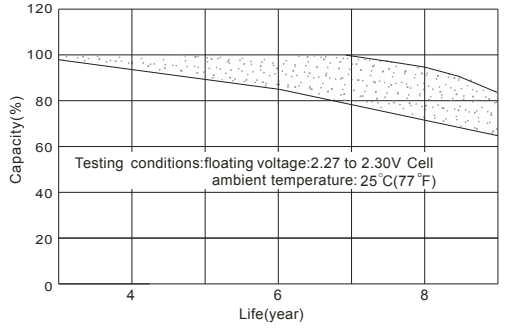
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use