GeTX 12V38Ah

Solar and UPS Battery

Solar and UPS Battery are designed withAGM (Absorbent Glass Mat) technology,High performance plates and electrolyte to give extra power output for common power backup system.
Solar and UPS Battery are the general purpose batteries with 5 years floating design life at 25℃
Meet with IEC, BS,JIS and Eurobat standard.UL(MH62092),CE approved.

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

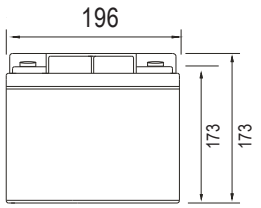
Construction

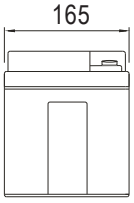
* Positive ..... Lead dioxide
* Electrolyte ..... Sulfuric acid
* Separator ..... Fiber glass
* Container ..... ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
* Negative ..... Lead
* Safety Valve ..... EPDR
* Terminal ..... Copper

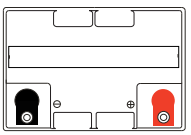
Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10 Hour rate)		38Ah	
	Cells Per battery		6	
Dimension	Length	Width	Height	Total Height
	196mm (7.71 inches)	165mm (6.49 inches)	173mm (6.81 inches)	173mm (6.81 inches)
Approx Weight	11.80kg(26.01lbs) ± 3%			
Capacity @ 25˚C (77 ˚F)	20 hour rate(2.151A,10.5V)	10 hour rate(3.933A,10.8V)	5 hour rate(7.313A,10.5V)	1 hour rate(24.040A,9.6V)
	43.02Ah	39.33Ah	36.56Ah	24.04Ah
Max.discharge current	400A (5 Sec.)			
Internal Resistance	Full charged at 25˚C (77˚F) : Approx 9.0mΩ			
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 11.4A)		13.50-13.80V	

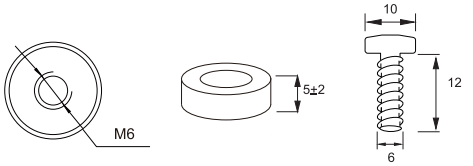
Outer dimension (mm)







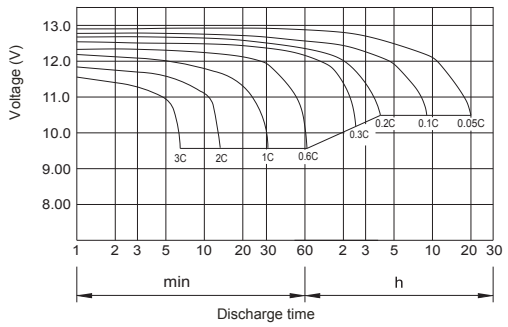
Terminal Type (mm)



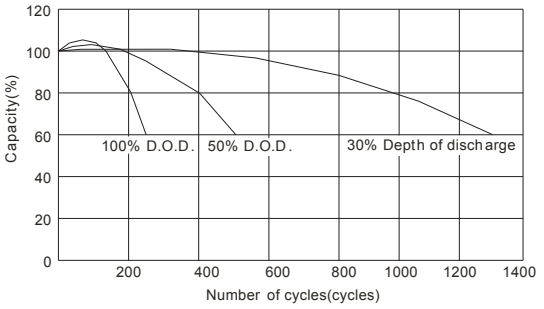
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃ (77˚F)

F.V\TIME		5min	10min	15min	30min	1 hr	3 hr	5 hr	10 hr	20 hr
1.80V/cell	A	102.873	82.718	59.863	44.311	22.762	10.400	7.153	3.933	2.123
	W	183.628	149.802	110.627	82.240	42.405	19.500	13.568	7.724	4.185
1.75V/cell	A	105.805	85.707	61.071	45.171	23.661	10.755	7.313	4.001	2.151
	W	192.142	156.500	113.898	84.876	44.530	20.327	13.998	7.922	4.278
1.70V/cell	A	113.136	90.913	63.487	45.816	23.756	10.863	7.430	4.085	2.205
	W	207.378	168.006	119.419	86.822	45.350	20.824	14.400	8.186	4.421
1.65V/cell	A	116.190	92.744	65.098	46.247	23.874	11.024	7.569	4.185	2.280
	W	214.371	172.597	123.881	88.608	43.618	21.342	14.806	8.491	4.644
1.60V/cell	A	122.177	96.408	67.111	40.869	24.040	11.293	7.825	4.361	2.366
	W	226.271	180.765	128.518	78.959	46.829	22.043	15.416	8.944	4.884

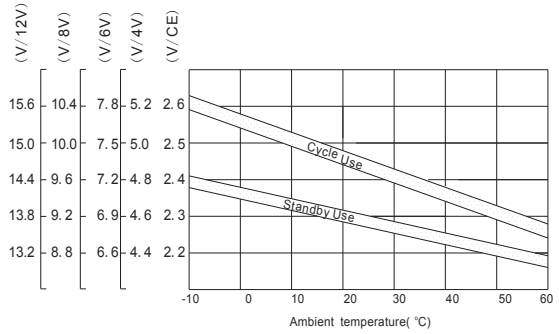
Discharge characteristic Curve



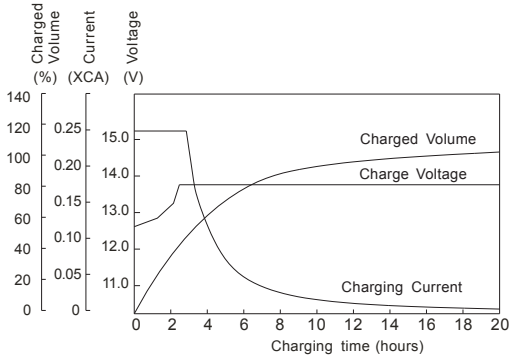
Cycle service life in relation to depth of discharge



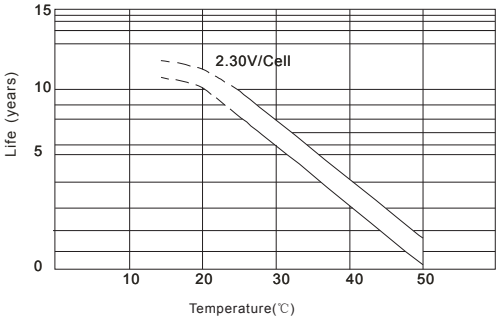
Relationship between charging voltage and temperature



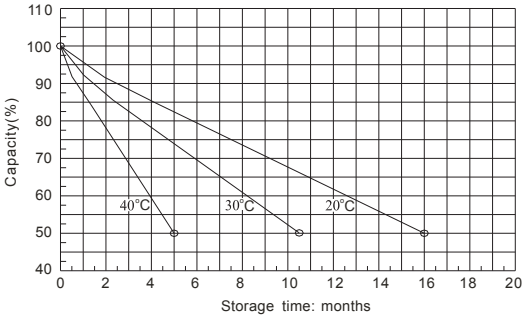
Constant voltage charging characteristic (0.25CA, at 25℃)



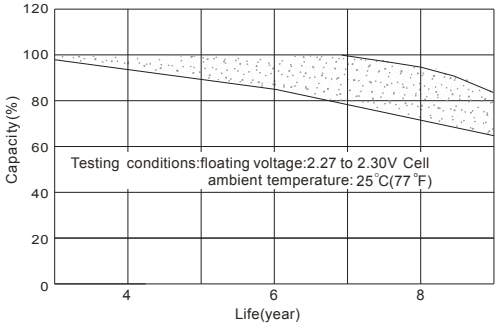
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use