



Application

- * Emergency Power System
- * Communication equipment
- * Telecommunication systems
- * Uninterruptible power supplies

General Features

- * Safety Sealing
- * Non-spillable construction
- * High Reliability and Stability
- * Sealed and Maintenance-free
- * Long Life and low self-discharge design
- * 30% increased power output at 15M backup time.
- * Power tools
- * Alarm system
- * Security system
- * Fire and Security System. etc.

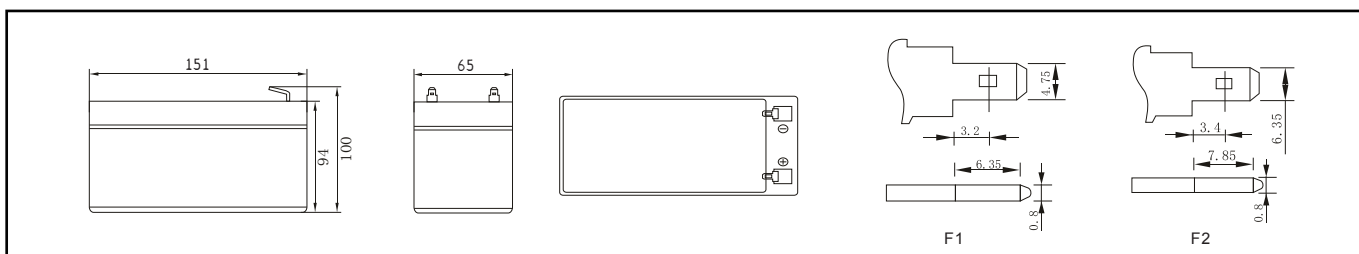
Construction

- * Positive Lead dioxide
- * Electrolyte Sulfuric acid
- * Separator Fiber glass
- * Container ABS(UL94-HB), Flammability Resistance of UL94-V0 can be available upon request
- * Negative Lead
- * Safety Valve EPDR
- * Terminal Copper

Specification

Battery Model	Nominal Voltage		12V	
	Cells Per Battery		6	
	Capacity (15 minutes rate to 1.67V/Cell)		34W	
	Rated capacity (20 Hour rate)		9.5Ah	
Dimensions	Length	Width	Height	Total Height
	151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.70 inches)	100mm (3.94 inches)
Approx Weight	2.35kg (5.18lbs) $\pm$ 4%			
Capacity @ 25°C (77°F)	30 Min rate(10.2V)		15 Min rate (10.02V)	5 Min rate (9.6V)
	133.2W		229.8W	412.8W
Max.discharge current	95A (5 Sec.)			
Internal Resistance	Full charged at 25°C: Approx 20.5mΩ			
Capacity affected by Temp.(20 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	
	14.1-14.4V (Initial charging current less than 2.7A)		13.50-13.80V	

Outer dimensions (mm)

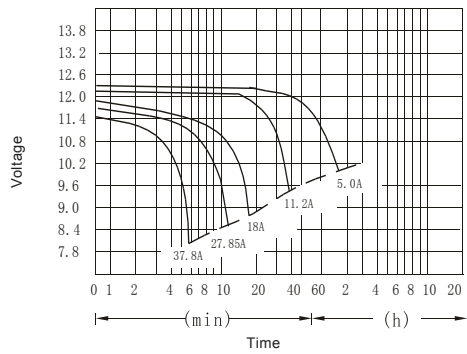


Terminal Type (mm)

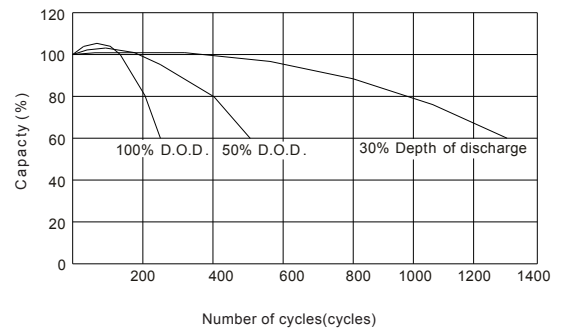
Constant Power(Watt) Discharge at 25°C (77°F)								
F.V/T	3min	5min	8min	10min	15min	20min	30min	60min
9.60V	474.5	412.8	348.1	309.2	240.1	141.5	141.1	82.8
10.02V	443.4	385.9	329.6	292.8	229.9	181.5	135.8	79.2
10.20V	430.2	373.6	321.5	285.8	225.8	176.6	133.4	78.0
10.50V	411.1	357.4	309.7	271.5	217.9	173.4	131.2	78.0
10.80V	392.4	341.6	297.7	257.6	210.6	171.1	129.3	77.6
11.10V	373.7	324.8	285.6	243.3	201.8	168.9	127.5	76.5

Constant Current(Amp) Discharge at 25°C (77°F)								
F.V/T	3min	5min	8min	10min	15min	20min	30min	60min
9.60V	43.66	37.90	31.55	27.84	21.51	17.41	12.75	7.44
10.02V	40.35	35.10	29.60	26.11	20.40	16.25	12.15	7.10
10.20V	38.70	33.62	28.55	25.18	19.77	15.61	11.81	6.89
10.50V	36.55	31.78	27.12	23.63	18.84	15.18	11.48	6.77
10.80V	34.38	29.89	25.70	22.08	17.90	14.77	11.12	6.65
11.10V	32.05	27.90	24.15	20.47	16.88	14.21	10.71	6.48

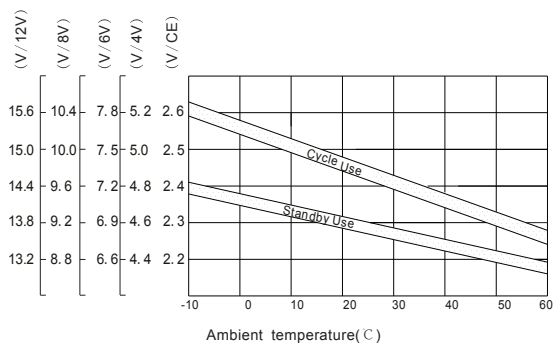
Discharge characteristic Curve



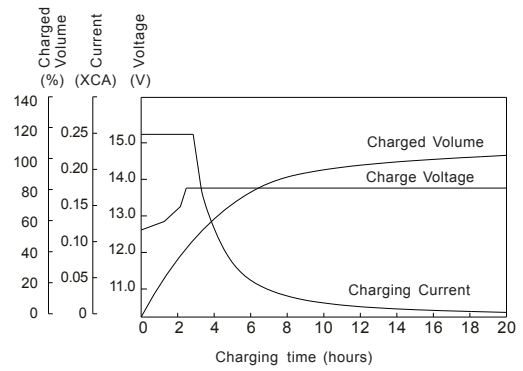
Cycle service life in relation to depth of discharge



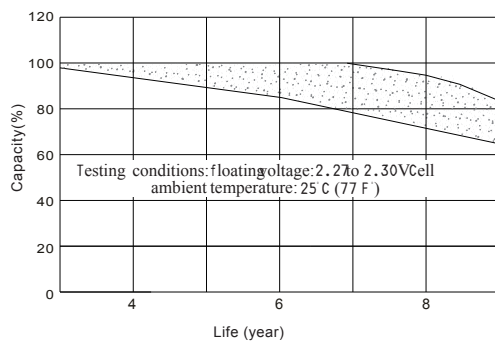
Relationship between charging voltage and temperature



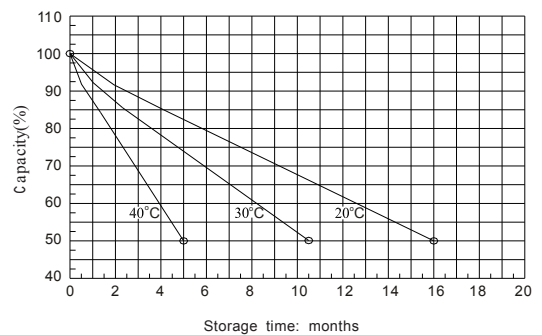
Constant voltage charging characteristic (0.25CA, at 25°C)



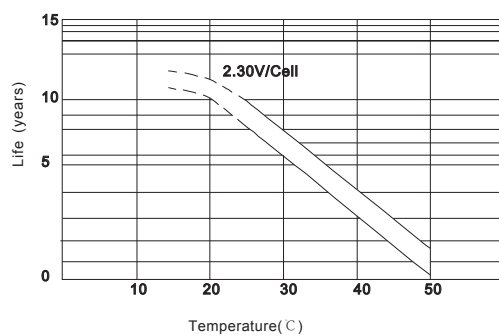
Life characteristics of stand by use



Self-discharge characteristic



Temperature effects on float life



Charge characteristic Curve for stand by use

