

NP10-6 (6V10Ah)

GENERAL FEATURES

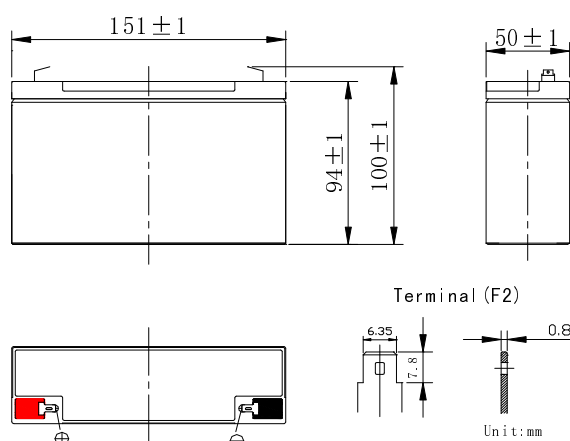
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte for air transport-complies with LATA/ICAO Special provision A67.
- Not restricted for air transport-complies with LATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications,
- Maintenance-free operation.
- Low self discharge.
- Case and cover available in both standard and flame retardant ABS.



SPECIFICATION

Nominal voltage	6V	Dimensions	Total Height	3.94inches(100mm)
Rated capacity (20 hour rate)	10Ah		Height	3.70inches(94mm)
Number of cell	3		Length	5.94inches(151mm)
Approx. Weight (Kg / lbs)	1.50/3.31		Width	1.97inches(50mm)

Battery Dimensions



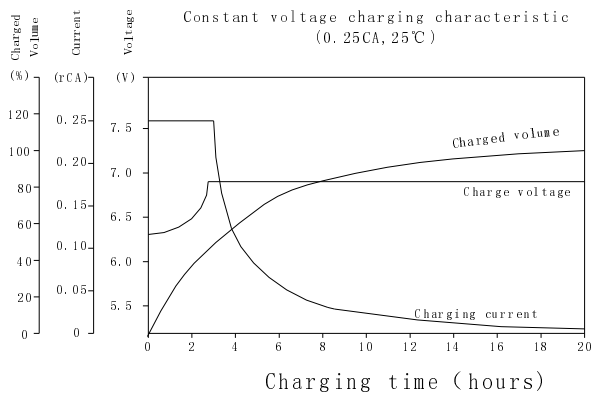
Constant power discharge ratings-watts per cell at 25°C(77° F)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	72.2	48.7	39.4	22.7	16.5	13.0	7.36	5.50	3.47
1.65V	68.8	46.3	37.5	21.5	15.6	12.4	7.04	5.26	3.40
1.70V	65.3	43.9	35.6	20.3	14.7	11.6	6.75	5.02	3.34
1.75V	61.9	41.5	33.6	19.1	13.8	10.9	6.47	4.82	3.27
1.80V	58.5	38.9	31.5	18.2	13.1	10.4	6.25	4.61	3.19

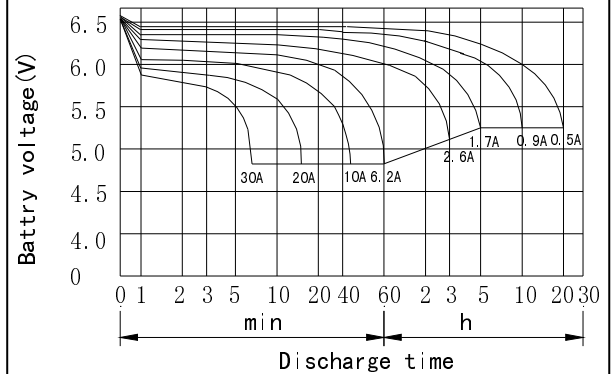
Characteristics

Capacity 77° F (25°C)	20 hour rate (0.5A、10.5V)	10Ah
	10 hour rate (0.9A、10.5V)	9Ah
	5 hour rate (1.7A、10.5V)	8.5Ah
	1 hour rate (6.2A、9.6V)	6.2Ah
	1C (10A、9.6V)	>36min
	3C (30A、9.6V)	8min
Internal Resistance	Full charged Battery 77° F (25°C) : 15mΩ	
Capacity affected by Temperature (20 hour rate)	104° F (40°C)	102%
	77° F (25°C)	100%
	32° F (10°C)	85%
	5° F (-15°C)	65%
Self-Discharge 68° F (20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	60%
Max. discharge current 77° F (25°C) : 150A (5S)		
Charge (Constant Voltage)	Float: 6.8~6.9 V/77° F (25°C)	
	Cycle: 7.25~7.45V/77° F (25°C) Max. Current: 2.5A	

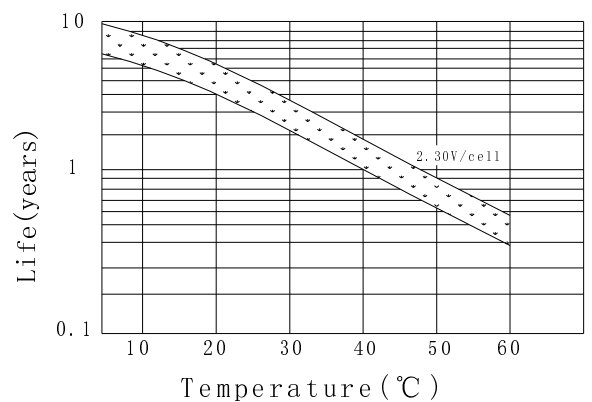
charge characteristic curve



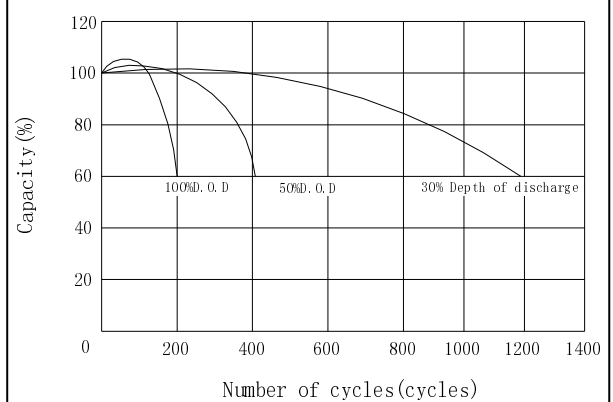
Discharge characteristic (25°C)



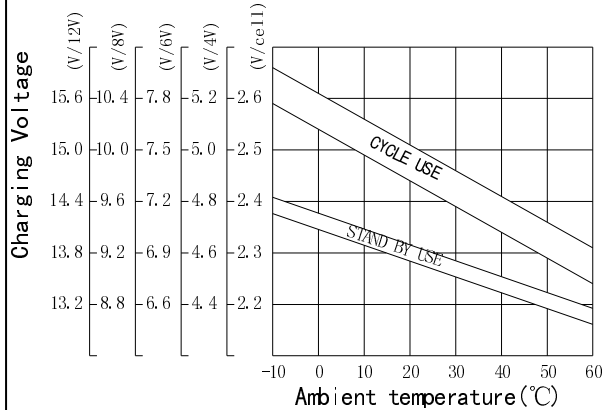
Temperature effects on float life



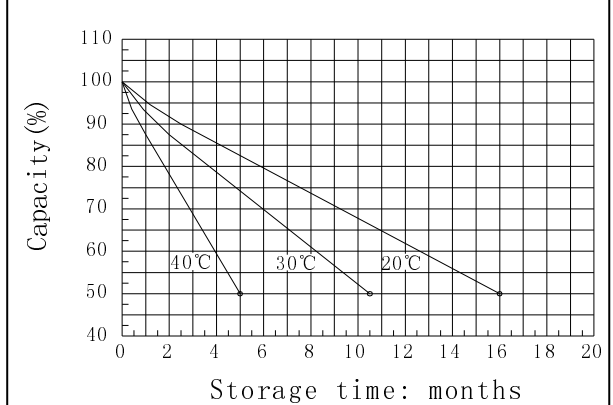
Cycle service life in relation to depth of discharge



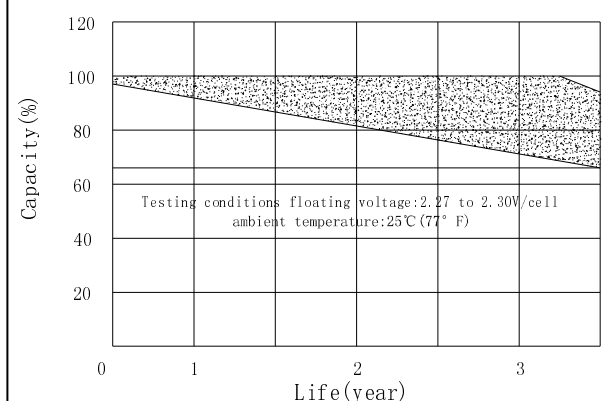
Relationship between charging voltage and temperature



Self-discharge characteristic



Life characteristics of standby use



Temperature effects on capacity

