



● NPM General Series Battery

NPM General Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. NPM series Batteries are the general purpose batteries with 10 years floating design life at 25°C. Meet with IEC, BS, JIS and Eurobat standard.



● Application

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

● General Features

- *Safety Sealing
- *Non-spillable construction
- *High Reliability and Stability
- *Sealed and Maintenance-free
- *Safety and Quality certification
- *Long Life and low self-discharge design

● Construction

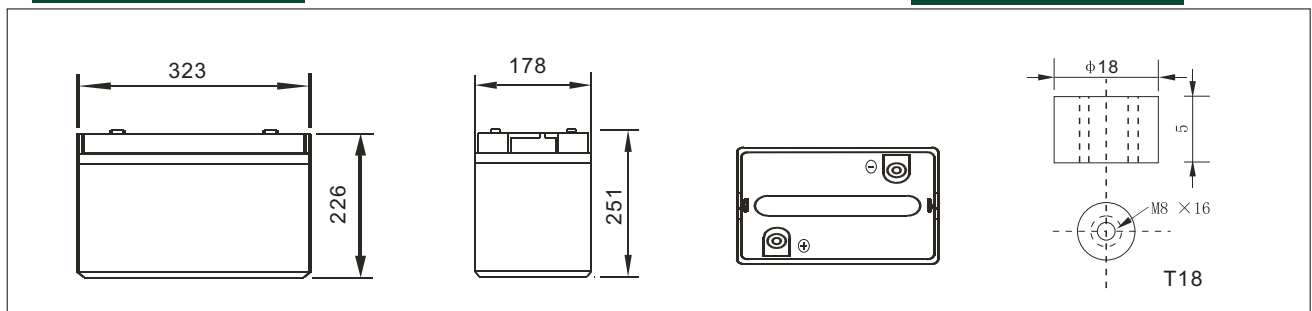
- *PositiveLead dioxide
- *ElectrolyteSulfuric acid
- *SeparatorFiber glass
- *ContainerABS(UL94-HB), Flammability Resistance of UL94-V2 can be available upon request
- *NegativeLead
- *Safety ValveEPDR
- *TerminalCopper

● Specification

Battery Model	Nominal Voltage		6V	
	Rated capacity(10 Hour rate)		225Ah	
Dimensions	Length	Width	Height	Total Height
	322mm (12.68 inches)	178mm(7.01 inches)	226mm(8.90 inches)	251mm (9.88 inches)
Approx Weight	31.5kg(69.44lbs) ±3%			
Capacity 25°C (77°F)	10 hour rate (22.5A,5.4V)	5 Hour rate(36A,5.25V)	3 Hour rate (56.3A,5.1V)	1 Hour rate (124A,4.8V)
	225Ah	180Ah	168.9Ah	124Ah
Max.discharge current	2250A(5Sec.)			
Internal Resistance	Full charged at 25 °C (77°F): Approx 1.3 mΩ			
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 at 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	
	7.05-7.20V (Initial charging current less than 90A)		6.75-6.90V	

● Outer dimensions (mm)

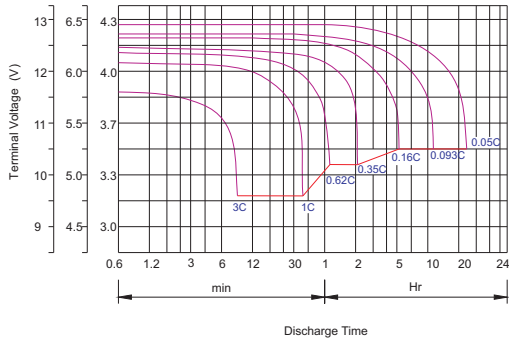
● Terminal Type (mm)



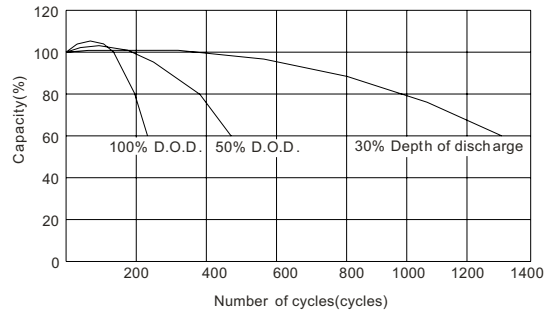
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)													
Time		5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
4.80V	A	721	475	352	236	124.0	72.5	53.2	41.4	34.2	24.2	21.7	11.7
	W	3719	2535	1888	1269	671.0	397.8	296.1	232.9	194.2	138.8	125.5	68.2
5.10V	A	698	428	360	245	126.9	75.2	56.3	43.9	36.5	25.7	23.2	12.4
	W	3727	2392	2017	1377	717.6	433.1	325.7	255.1	212.5	150.1	136.1	72.6
5.25V	A	675	383	315	230	122.9	73.4	54.9	43.2	36.0	25.4	22.7	12.4
	W	3687	2179	1799	1321	711.3	425.4	319.8	252.7	211.0	149.5	134.4	73.1
5.40V	A	651	361	293	212	118.8	71.6	53.6	42.5	35.1	24.8	22.5	12.2
	W	3650	2082	1687	1225	691.4	419.0	315.7	251.1	207.4	146.6	133.7	72.4
5.55V	A	629	338	270	189	114.8	69.8	51.8	41.4	34.2	24.1	21.4	11.5
	W	3566	1959	1574	1106	674.7	412.2	307.4	246.5	204.1	144.2	129.0	69.5



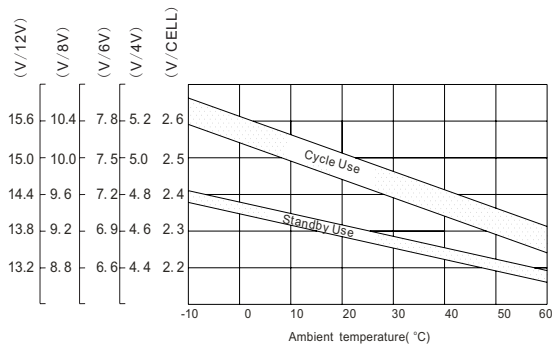
Discharge characteristic Curve



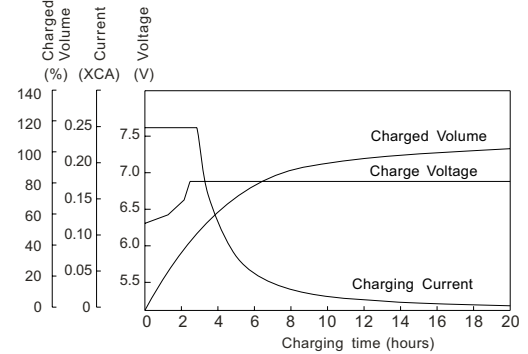
Cycle service life in relation to depth of discharge



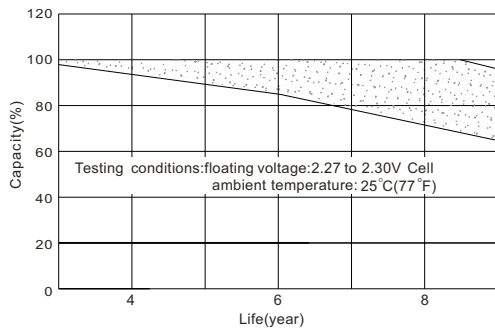
Relationship between charging voltage and temperature



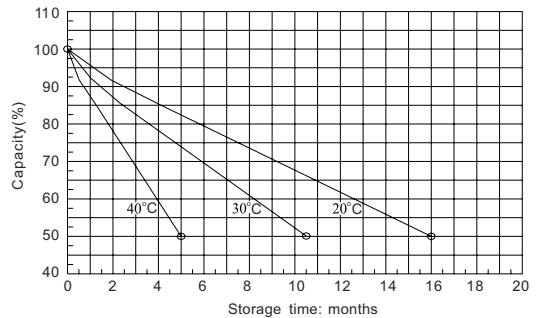
Constant voltage charging characteristic (0.25CA, at 25°C)



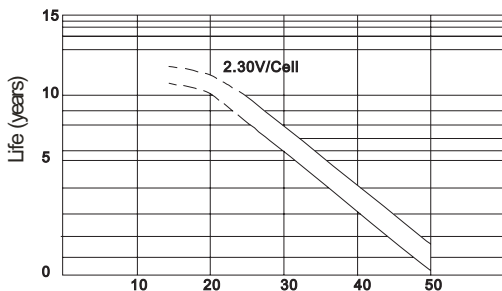
Life characteristics of standby use



Self-discharge characteristic



Temperature effects on float life



Charge characteristic Curve for standby use

