

Product Features

Deep Cycle Series		200~300 Cycle Times @100%DOD	
+10% Energy Density Patent negative pasting formula	+50% Grid Corrosion Rare-earth patent alloy	0% Acid stratification Nano silica gel technology	

Product Applications



Physical Specifications

Model	Dimensions (±2mm/inch)				Weight (±2%kg/lbs)	Terminal	Container
6-DZM-9	Length	Width	Height	Total Height	2.50/5.51	T1/T2	ABS UL94-HB (Optional: FR ABS UL94-V0)
	151/5.94	65/2.55	94/3.70	100/3.94			

Product Specifications

Nominal Voltage	Rated Capacity _{25°C/77°C}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	9.00Ah 20hr Rate (1.75V/cell) 8.20Ah 10hr Rate (1.75V/cell) 7.70Ah 5hr Rate (1.75V/cell) 6.75Ah 3hr Rate (1.75V/cell)	Discharge: -15°C~50°C (5°F~122°F) Charge: 0°C~40°C (32°F~104°F) Storage: -15°C~40°C (5°F~104°F) Optimum: 25°C±2°C (77°F±5°F)	40°C (104°F):106% 25°C (77°F):100% 0°C (32°F):85% -15°C (5°F):72%	Three months : 90% Six months : 80% Nine months : 60%

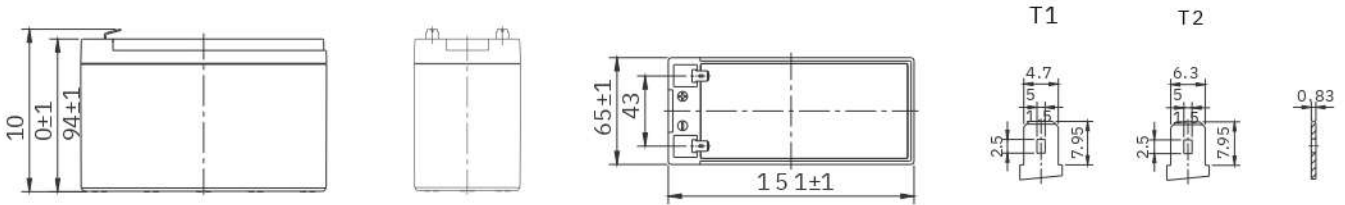
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	31.23	21.47	15.49	9.36	6.85	5.62	2.29	1.57	0.85	0.46
1.65V/cell	29.95	19.44	15.16	9.19	6.77	5.55	2.27	1.55	0.84	0.46
1.70V/cell	27.20	18.76	14.94	9.13	6.69	5.54	2.26	1.54	0.84	0.45
1.75V/cell	24.59	17.28	14.52	9.05	6.48	5.47	2.25	1.54	0.82	0.45
1.80V/cell	22.31	16.05	13.47	8.51	6.41	5.42	2.17	1.48	0.80	0.41

Constant Power Discharge (W/cell)@25°C (77°F)

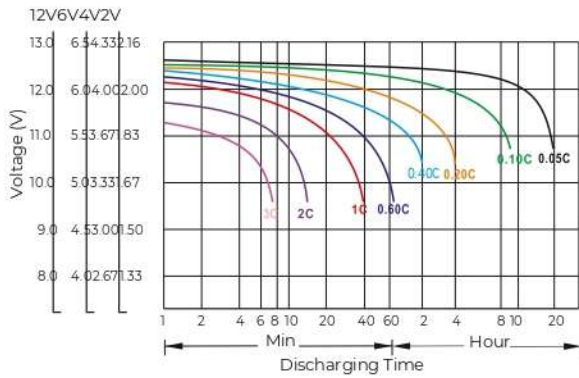
F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	51.46	35.48	27.96	17.74	13.38	11.06	4.56	2.99	1.70	0.91
1.65V/cell	49.43	35.26	27.78	17.20	13.26	11.03	4.50	2.96	1.68	0.91
1.70V/cell	46.23	34.41	27.24	16.84	12.90	10.79	4.47	2.93	1.66	0.90
1.75V/cell	42.88	32.26	25.45	15.95	12.79	10.70	4.41	2.89	1.63	0.89
1.80V/cell	38.71	30.11	24.01	15.77	12.43	10.43	4.32	2.87	1.61	0.81

Battery Dimensions(mm)

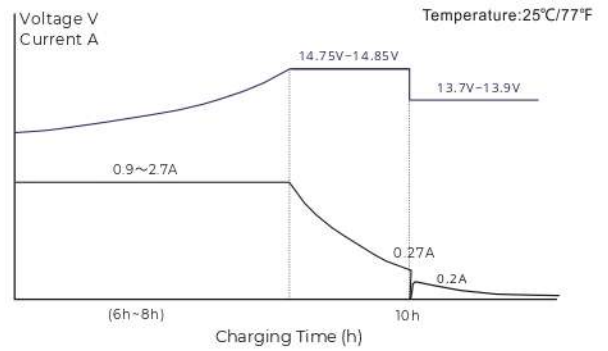


Electrical Characteristics

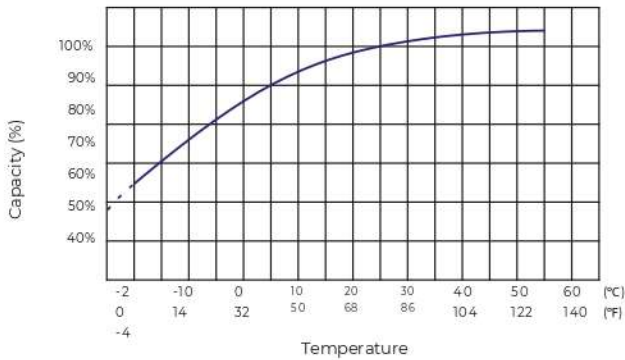
Discharging Characteristics@25°C(77°F)



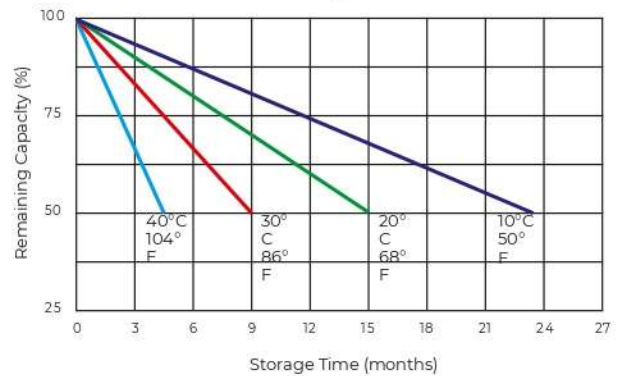
Charging Characteristics@25°C(77°F)



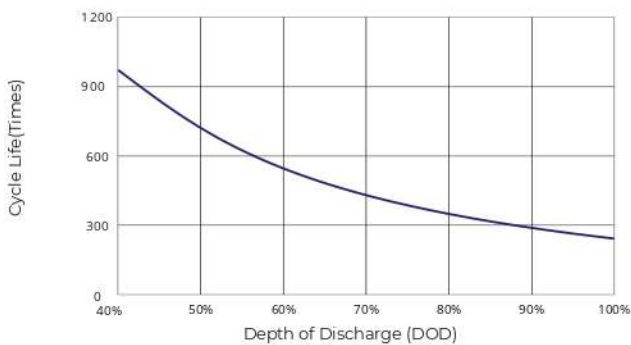
Capacity vs Temperature



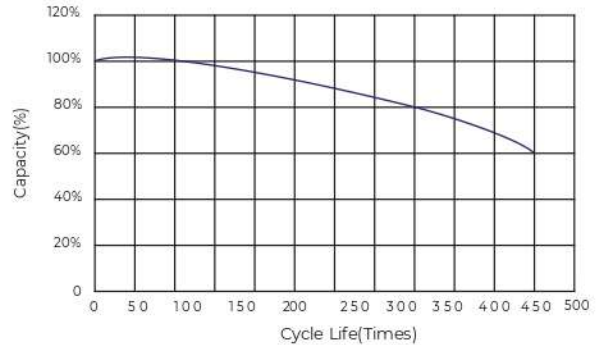
Self-discharge vs Time



Cycle Life vs Depth of Discharge@25°C(77°F)



Cycle Life vs Remaining Capacity@25°C(77°F)



Usage and Maintenance

Limited Current	Limited Voltage	Floating Voltage
Limited current: ≤0.3C20A	14.75V~14.85V@25 °C (77 °F) Temp.Coefficient:-24mV/°C	13.7V~13.9V@25 °C (77 °F) Temp.Coefficient:-18mV/°C