6-DZM-9

Product Features

Deep Cycle Series

200~300 Cycle Times @100%DOD

↑10%	↓50%	0%
Energy Density	Grid Corrosion	Acid stratification
Patent negative pasting formula	Rare-earth patent alloy	Nano silica gel technology

Product Applications

Physical Specifications

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

Product Specifications

Nominal Voltage	Rated Capacity25°C/77°C	Operating Temp.Range	Capacity Effected Temp	Capacity vs Storage Time
12V	9.00Ah 20hr Rate (1.75V/cell)	Discharge:-15°C~50°C (5°F~122°F)	40°C (104°F):106%	Three months: 90%
	8.20Ah 10hr Rate (1.75V/cell)	Charge:0°C~40°C (32°F~104°F)	25°C (77°F):100%	Six months: 80%
	7.70Ah 5hr Rate (1.75V/cell)	Storage:-15°C~40°C (5°F~104°F)	0°C (32°F):85%	Nine months: 60%
	6.75Ah 3hr Rate (1.75V/cell)	Optimum:25°C±2°C (77°F±5°F)	-15°C (5°F):72%	

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

F.V/Time	[illegible]	10min	[illegible]	[illegible]	[illegible]	1h	[illegible]	[illegible]	10min	[illegible]
1.60V/cell	31.23	21.47	15.49	9.36	6.85	5.62	2.29	1.57		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			
1.80V/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	[illegible]	10min	[illegible]	[illegible]	[illegible]	1h	[illegible]	1h	10min	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			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

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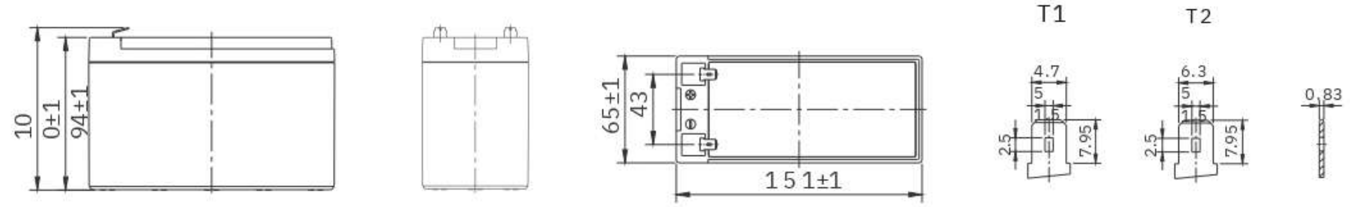
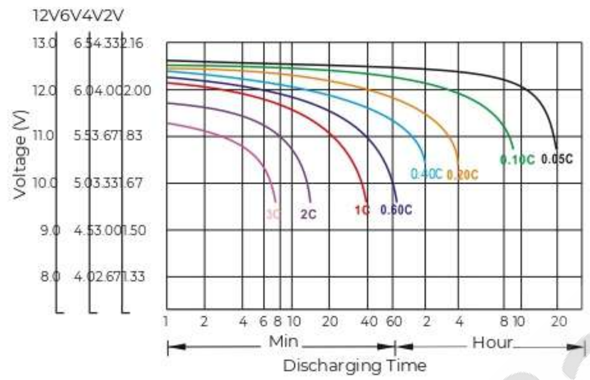
Battery Dimensions(mm)

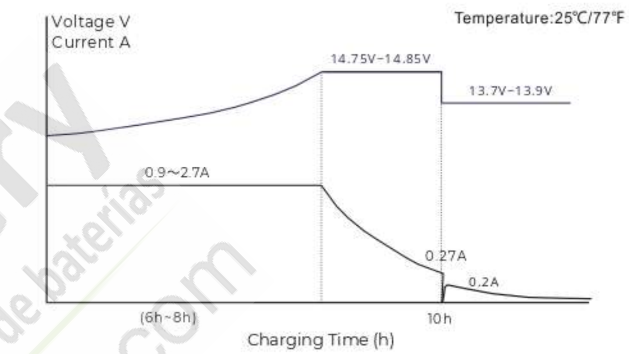


Electrical Characteristics

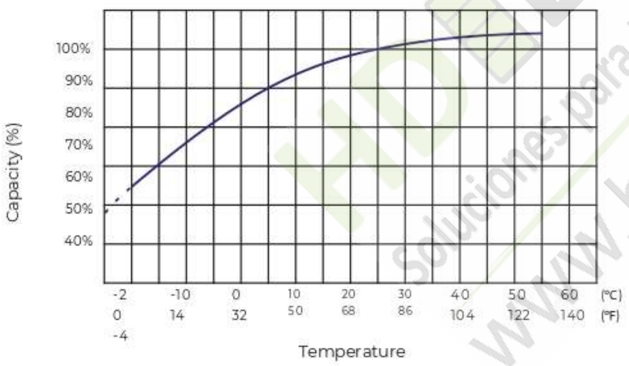
Discharging Characteristics@25℃(77℉)



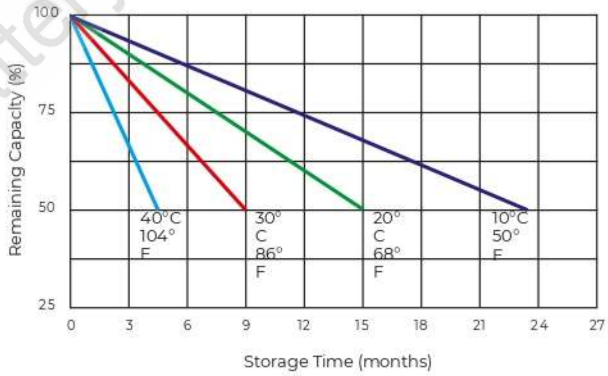
Charging Characteristics@25℃(77℉)



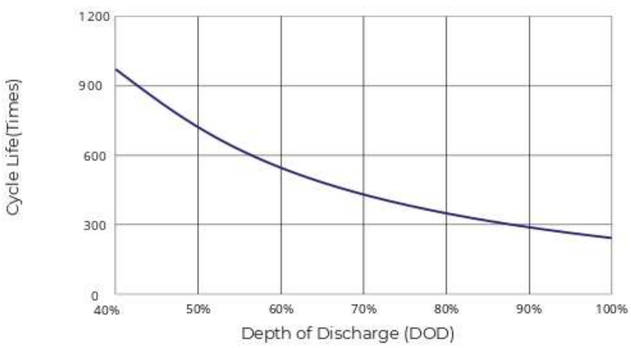
Capacity vs Temperature



Self-discharge vs Time



Cycle Life vs Depth of Discharge@25℃(77℉)



Cycle Life vs Remaining Capacity@25℃(77℉)

Usage and Maintenance

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