



## Product Features

Deep Cycle Series		400~600 Cycle Times @100%DOD	
<b>+10%</b> Energy Density Patent negative pasting formula	<b>-50%</b> Grid Corrosion Rare-earth patent alloy	<b>0%</b> Acid stratification Nano silica gel technology	

## Product Applications



## Physical Specifications

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
6-DZM-15S	Length	Width	Height	Total Height	3.90/8.60	T2-1	ABS UL94-HB (Optional: FRABS UL94-V0)
	151/5.94	99/3.90	98/3.86	103/4.06			

## Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°F	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	15.0Ah 20hr Rate (1.80V/cell) 13.1Ah 10hr Rate (1.75V/cell) 12.8Ah 5hr Rate (1.75V/cell) 12.0Ah 2hr 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%

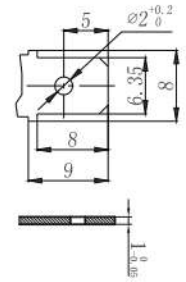
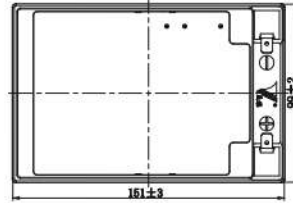
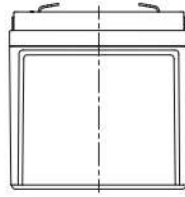
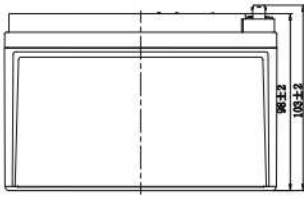
## Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	15.7	11.2	8.89	5.13	3.60	2.78	2.31	1.97	1.53	1.25	0.682
1.80V/cell	16.2	11.5	9.15	5.31	3.68	2.87	2.40	2.04	1.57	1.28	0.750
1.75V/cell	16.7	12.0	9.50	6.00	4.02	3.03	2.55	2.14	1.62	1.31	0.718
1.70V/cell	17.1	12.3	9.8	5.98	4.04	3.07	2.57	2.18	1.66	1.34	0.735
1.67V/cell	17.5	12.7	10.2	6.04	4.09	3.15	2.65	2.23	1.70	1.36	0.741
1.60V/cell	18.0	13.0	10.4	6.24	4.24	3.24	2.68	2.28	1.74	1.41	0.747

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

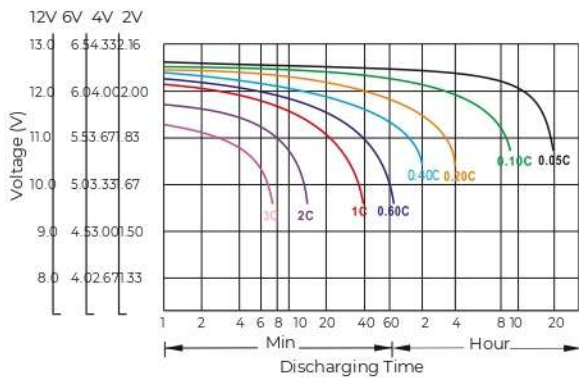
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	30.7	22.1	17.6	10.2	7.21	5.60	4.65	3.97	3.10	2.53	1.39
1.80V/cell	31.6	22.6	18.0	10.5	7.34	5.75	4.82	4.11	3.18	2.59	1.52
1.75V/cell	32.4	23.4	18.7	11.9	7.99	6.05	5.10	4.29	3.26	2.63	1.45
1.70V/cell	33.0	23.8	19.2	11.8	7.99	6.10	5.12	4.35	3.32	2.69	1.48
1.67V/cell	33.5	24.4	19.7	11.8	8.05	6.22	5.23	4.41	3.36	2.71	1.48
1.60V/cell	34.1	24.9	19.9	12.1	8.26	6.34	5.26	4.49	3.42	2.78	1.49

## Battery Dimensions(mm)

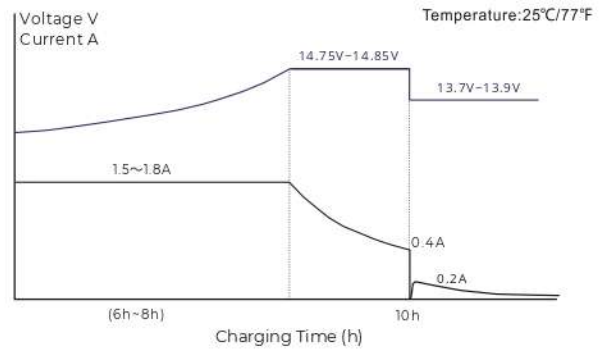


## Electrical Characteristics

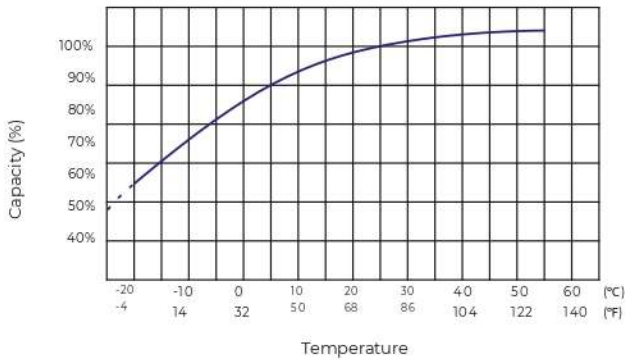
### Discharging Characteristics@25°C(77°F)



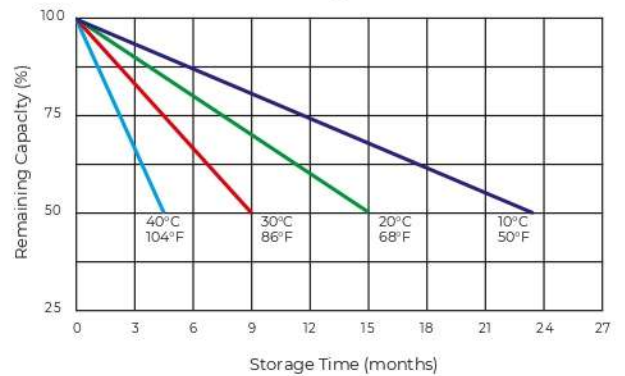
### Charging Characteristics@25°C(77°F)



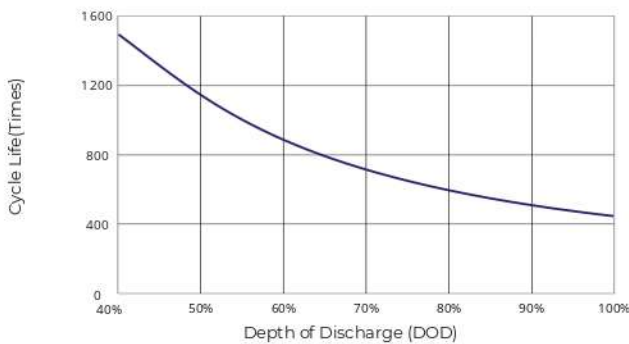
### Capacity vs Temperature



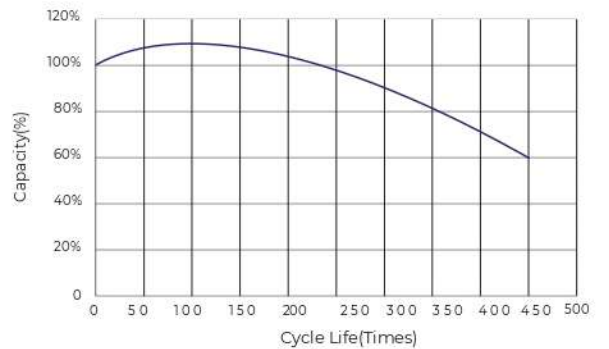
### Self-discharge vs Time



### 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: $\leq 0.2C2A$	14.75V-14.85V@25 °C (77 °F ) Temp.Coefficient:-24mV/°C	13.7V-13.9V@25 °C (77 °F ) Temp.Coefficient:-18mV/°C