



Product Features

Deep Cycle Series			400~600 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



Moped

Electric Two-wheeler

Electric Motorcycle

E-scooter

Kid's Electric Bike

Physical Specifications

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
	Length	Width	Height	Total Height			
6-DZM-20-VT					5.0/11.02	110	ABS UL94-HB (Optional:FR ABS UL94-V0)
	180/7.09	77/3.03	139/5.47	144/5.67			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°F	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	20.0Ah 20hr (1.80V/cell) 18.4Ah 10hr (1.75V/cell) 17.1Ah 5hr (1.75V/cell) 16.0Ah 2hr (1.75V/cell)	Discharge:-15°C~50°C(5F~122°F) Charge:0°C~40°C(32F~104°F) Storage:-15°C~40°C(5F~104°F) Optimum:25°C+2C(77F+5°F)	40°C(104°F):102% 25°C(77°F):100% 0°C(32°F):85% -15°C(5°F):72%	Three months : 90% Six months : 80% Nine months : 65%

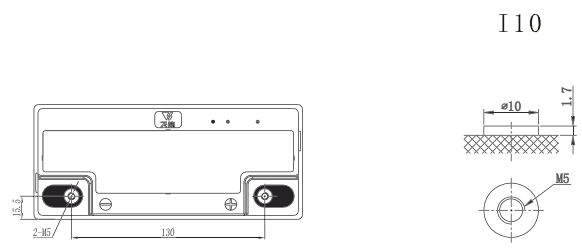
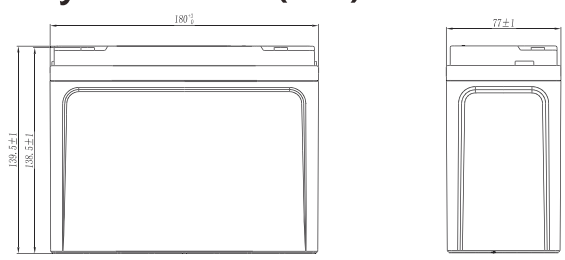
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	22.5	16.1	12.7	7.28	5.01	3.79	3.08	2.68	2.13	1.76	0.97
1.80V/cell	23.3	16.5	13.1	7.53	5.11	3.91	3.21	2.78	2.18	1.81	1.00
1.75V/cell	24.0	17.2	13.6	8.00	5.38	4.09	3.42	2.92	2.25	1.84	1.02
1.70V/cell	24.6	17.6	14.1	8.14	5.50	4.19	3.44	2.97	2.30	1.89	1.04
1.68V/cell	25.1	18.2	14.6	8.22	5.58	4.31	3.55	3.04	2.36	1.92	1.05
1.60V/cell	25.8	18.7	14.9	8.49	5.78	4.43	3.60	3.12	2.42	1.99	1.06

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

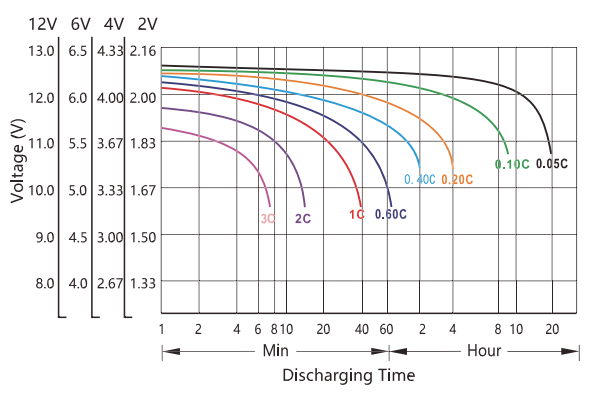
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	44.0	31.6	25.2	14.5	10.0	7.64	6.22	5.41	4.31	3.58	1.97
1.80V/cell	45.3	32.3	25.8	15.0	10.2	7.84	6.44	5.59	4.41	3.65	2.03
1.75V/cell	46.4	33.6	26.8	15.8	10.7	8.17	6.84	5.85	4.51	3.71	2.06
1.70V/cell	47.4	34.2	27.5	16.0	10.9	8.32	6.85	5.93	4.60	3.79	2.10
1.68V/cell	48.0	35.0	28.3	16.1	11.0	8.50	7.02	6.03	4.67	3.83	2.10
1.60V/cell	48.9	35.7	28.6	16.5	11.3	8.66	7.05	6.13	4.77	3.94	2.11

Battery Dimensions(mm)

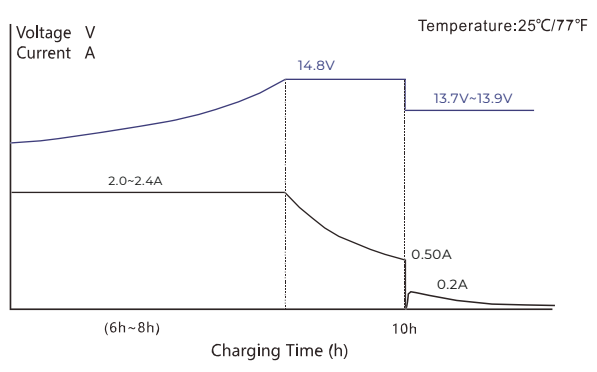


Electrical Characteristics

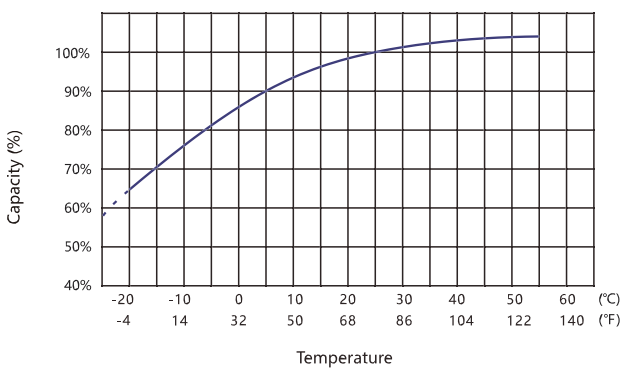
Discharging Characteristics@25°C(77°F)



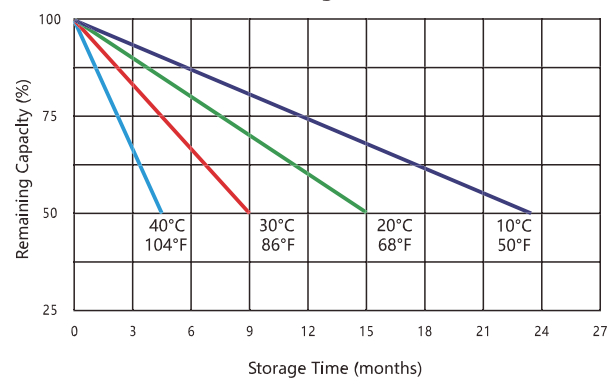
Charging Characteristics@25°C(77°F)



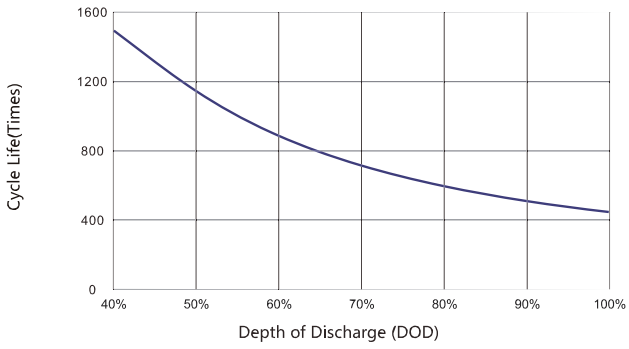
Capacity vs Temperature



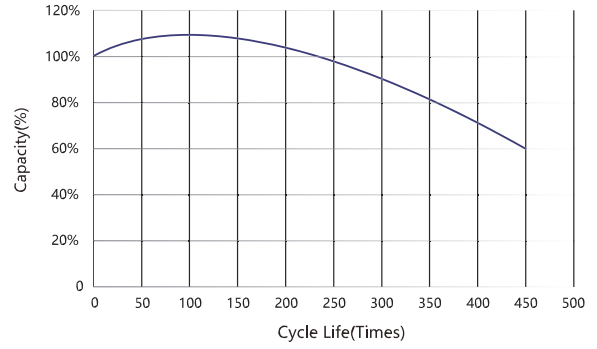
Self-discharge vs Time



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: ≤0.15C2A	14.8V@25°C(77°F) Temp.Coefficient:-24mV/°C	13.7V~13.9V@25°C(77°F) Temp.Coefficient:-18mV/°C