

Product Features

Deep Cycle Series 400~600 Cycle Times @100%DOD

+10%
Energy Density
Patent negative pasting formula

Grid Corrosion
Rare-earth patent alloy

0%
Acid stratification
Nano silica gel technology



Product Applications



Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
	Length	Width	Height	Total Height			
6-EVF-150	407/16.0	171/6.73	240/9.45	240/9.45	41.0/90.4	T7	ABS UL94-HB (Optional FRABS UL94-V0)

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°}	Operating Temp. Range	Capacity Effectd Tem	Capacity vs Storage Tim
12V	150Ah 20hr Rate (1.80V/cell)	Discharge:-15°C~50°C (5°F~122°F)	40°C (104°F):106%	Three months : 90% Six months : 80% Nine months : 60%
	135Ah 10hr Rate (1.75V/cell)	Charge:0°C~40°C (32°F~104°F)	25°C (77°F):100%	
	128Ah 5hr Rate (1.75V/cell)	Storage:-15°C~40°C (5°F~104°F)	0°C (32°F):85%	
	120Ah 3hr Rate (1.75V/cell)	Optimum:25°C±2°C (77°F±5°F)	-15°C (5°F):72%	

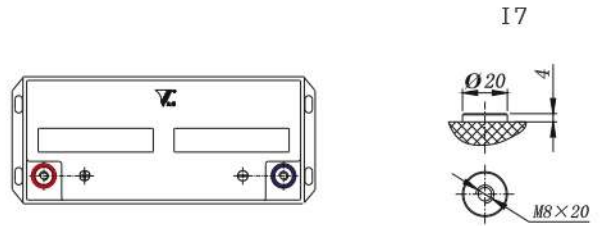
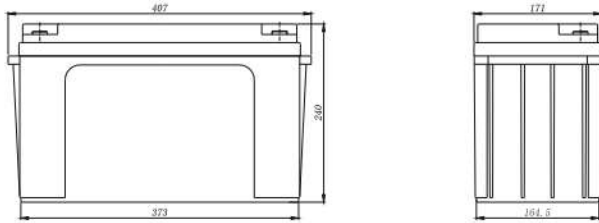
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	30min	5h	5h	5h	5h	5h	5h	5h	5h	5h	5h
1.85V/cell	160.8	114.6	91.8	52.5	37.2	29.36	24.00	20.43	15.75	12.90	7.25	
1.80V/cell	166.5	118.0	94.7	54.3	38.6	30.23	24.93	21.17	16.20	13.23	7.50	
1.75V/cell	171.0	122.4	98.1	57.8	40.0	31.31	25.50	21.63	16.67	13.50	7.64	
1.70V/cell	175.2	125.6	101.6	58.7	40.9	32.40	26.55	22.68	17.06	13.85	7.82	
1.67V/cell	178.8	129.6	105.2	59.3	41.4	32.70	27.15	22.80	17.44	14.09	7.88	
1.60V cell	183.6	133.4	107.3	61.3	42.9	33.67	27.75	23.47	17.87	14.55	7.94	

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

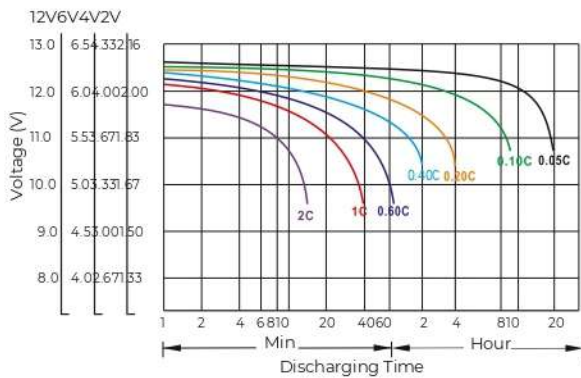
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	314.1	225.4	181.6	104.7	74.5	59.1	48.4	41.3	31.91	26.16	14.77
1.80V/cell	323.9	231.2	186.5	107.9	77.0	60.6	50.0	42.7	32.69	26.75	15.20
1.75V/cell	331.4	239.3	192.8	114.3	79.6	62.5	51.0	43.3	33.50	27.19	15.44
1.70V/cell	337.8	243.8	198.3	115.	80.9	64.3	52.8	44.2	34.13	27.73	15.72
1.67V/cell	342.0	249.7	204.1	116.1	81.4	64.5	53.7	45.1	34.58	28.02	15.76
1.60V/cell	348.2	255.2	206.2	118.9	83.5	65.9	54.6	46.1	35.13	28.72	15.85

Battery Dimensions(mm)

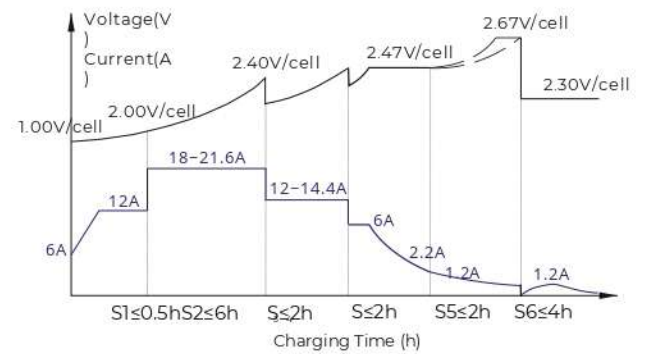


Electrical Characteristics

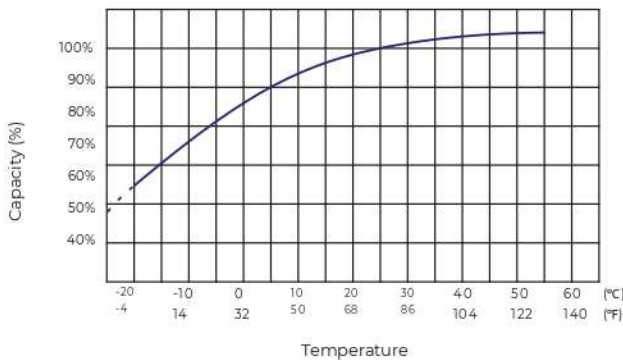
Discharging Characteristics@25°C(77°F)



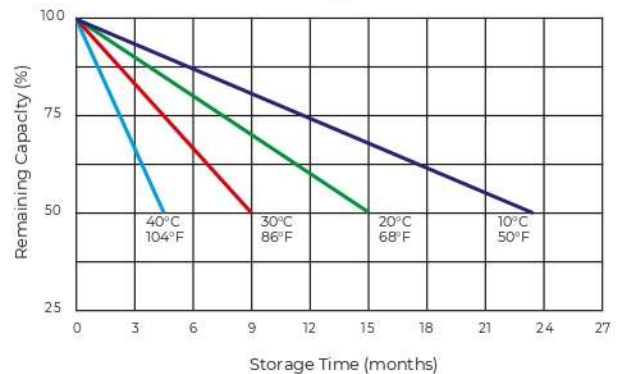
Charging Characteristics@25°C(77°F)



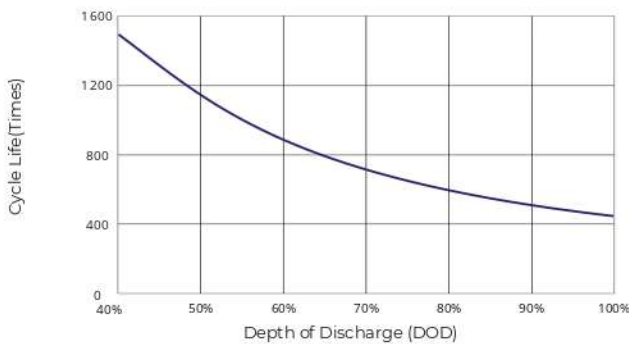
Capacity vs Temperature



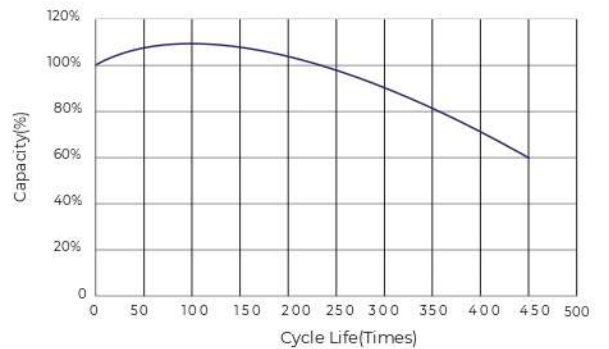
Self-discharge vs Time



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: $\leq 0.2C3A$	14.4V-14.8V@25 °C (77 °F) Temp.Coefficient -24mV/°C	13.5V-13.8V@25 °C (77 °F) Temp.Coefficient -18mV/°C