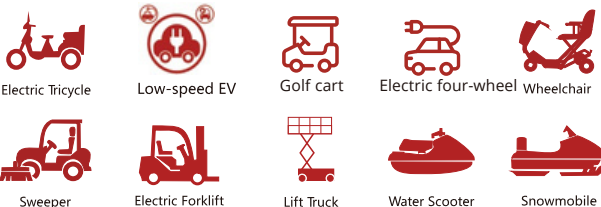




Product Features

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



Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
	Length	Width	Height	Total Height			
6-EVF-65-VT	224/8.82	150/5.90	175/6.89	175/6.89	15.00/33.1	I1	ABS UL94-HB (Optional: FR ABS UL94-V0)

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°F}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	65Ah 20hr Rate (1.80V/cell) 60Ah 10hr Rate (1.75V/cell) 59Ah 5hr Rate (1.75V/cell) 58Ah 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%

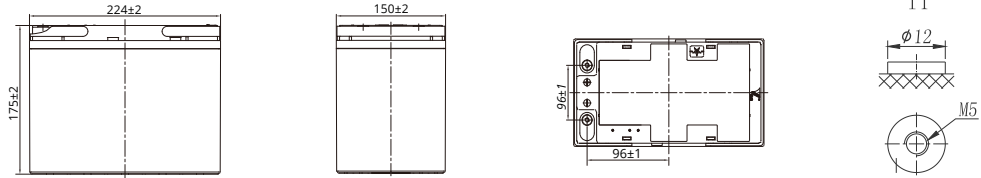
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	66.2	47.2	37.8	21.6	17.4	13.2	10.7	9.00	6.86	5.56	2.99
1.80V/cell	68.5	48.6	39.0	22.4	18.1	13.6	11.1	9.33	7.08	5.73	3.25
1.75V/cell	70.4	50.4	40.4	23.8	19.3	14.6	11.7	9.82	7.44	5.99	3.15
1.70V/cell	72.1	51.7	41.8	24.1	19.4	14.7	11.9	10.0	7.57	6.10	3.22
1.67V/cell	73.6	53.4	43.3	24.4	19.6	14.9	12.1	10.2	7.70	6.19	3.24
1.60V/cell	75.6	54.9	44.2	25.2	19.7	15.3	12.4	10.4	7.88	6.36	3.27

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

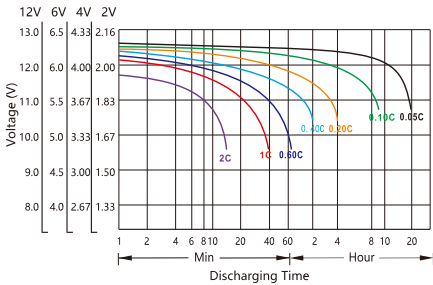
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	129	92.8	74.7	43.1	34.9	26.5	21.5	18.2	13.9	11.3	6.08
1.80V/cell	133	95.2	76.8	44.4	36.1	27.3	22.2	18.8	14.3	11.6	6.59
1.75V/cell	136	98.5	79.4	47.1	38.5	29.1	23.5	19.7	15.0	12.1	6.36
1.70V/cell	139	100	81.6	47.5	38.3	29.2	23.7	20.0	15.1	12.2	6.47
1.67V/cell	141	103	84.0	47.8	38.6	29.3	24.0	20.1	15.3	12.3	6.49
1.60V/cell	143	105	84.9	48.9	38.3	30.0	24.4	20.5	15.5	12.5	6.52

Battery Dimensions(mm)

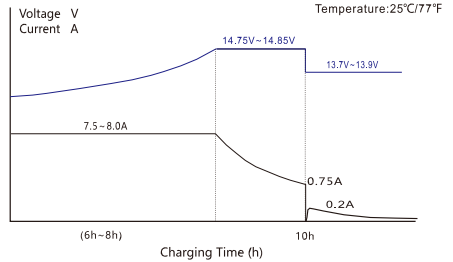


Electrical Characteristics

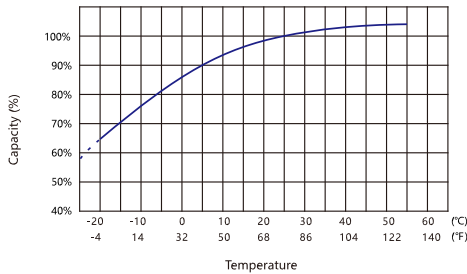
Discharging Characteristics@25°C(77°F)



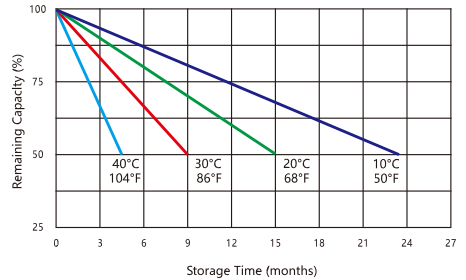
Charging Characteristics@25°C(77°F)



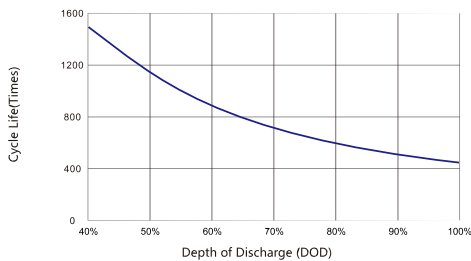
Capacity vs Temperature



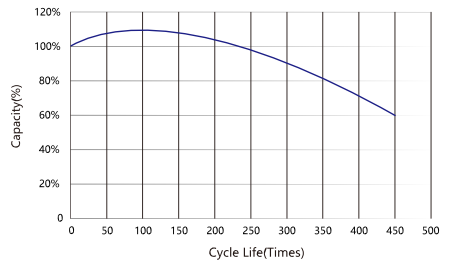
Self-discharge vs Time



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: $\leq 0.15C3A$	14.6V-14.8V @25°C(77°F) Temp.Coefficient:-24mV/°C	13.6V-13.8V @25°C(77°F) Temp.Coefficient:-18mV/°C