

Product Features

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

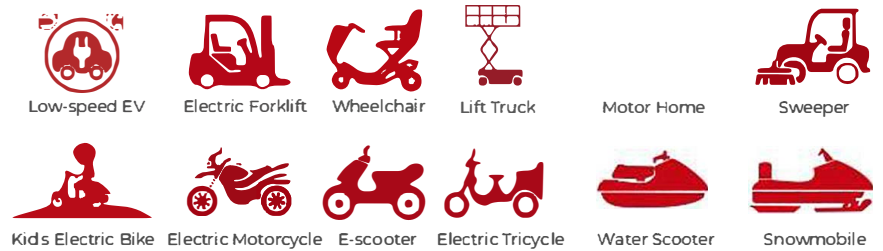
↑10%
Energy Density
Patent negative pasting formula

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-190	480/18.9	170/6.69	236/9.29	236/9.29	51.5/113.5	T7	ABS UL94-HB (Optional FRABS UL94-V0)

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°F}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	190Ah 20hr Rate (1.80V/cell)	Discharge:-15°C~50°C (5°F~122°F)	40°C (104°F):106%	Three months : 90%
	170Ah 10hr Rate (1.75V/cell)	Charge:0°C~40°C (32°F~104°F)	25°C (77°F):100%	Six months : 80%
	160Ah 5hr Rate (1.75V/cell)	Storage:-15°C~40°C (5°F~104°F)	0°C (32°F):85%	Nine months : 60%
	150Ah 3hr Rate (1.75V/cell)	Optimum:25°C±2°C (77°F±5°F)	-15°C (5°F):72%	

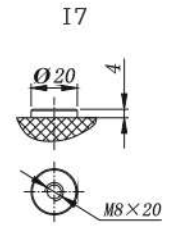
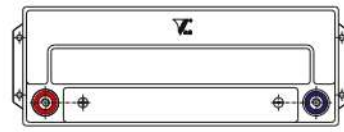
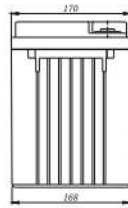
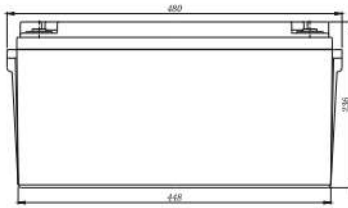
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	45min	45min	6h	6h	6h	6h	6h	6h	6h	6h	6h	6h
1.85V/cell	203.7	145.2	116.3	66.5	46.4	36.81	30.12	25.66	19.82	16.25	9.19	
1.80V/cell	210.9	149.5	119.9	68.8	48.2	37.88	31.29	26.61	20.38	16.66	9.50	
1.75V/cell	216.6	155.0	124.3	73.2	50.0	39.24	31.99	27.16	20.97	16.99	9.68	
1.70V/cell	221.9	159.1	128.6	74.3	51.1	40.63	33.34	28.52	21.46	17.43	9.90	
1.67V/cell	226.5	164.2	133.2	75.1	51.8	41.00	34.12	28.66	21.95	17.74	9.98	
1.60V/cell	232.6	169.0	135.9	77.6	53.6	42.23	34.87	29.52	22.49	18.34	10.06	

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

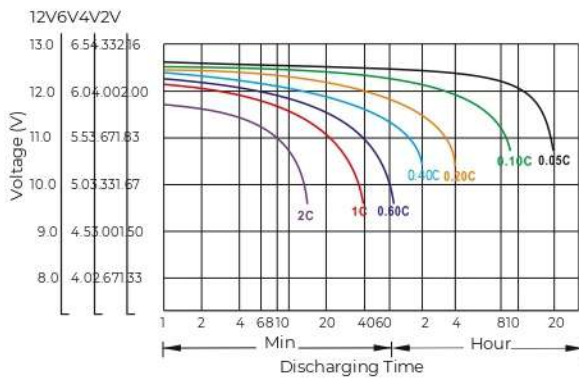
F.V/Time	30min	45min	6h	6h	6h	6h	6h	6h	6h	6h	6h	6h
1.85V/cell	397.8	285.5	230.0			93.1	74.1	60.8	51.8	40.15	32.96	18.70
1.80V/cell	410.3						75.9			41.12	33.68	19.26
1.75V/cell	419.8		244.2	144.8								19.56
1.70V/cell	427.9		251.2	146.2								19.91
1.67V/cell	433.2	316.2	258.6	147.0	101.8					43.53	35.28	19.96
1.60V/cell	441.1	232.2	261.2	150.6	04.4					44.3	6.19	20.07

Battery Dimensions(mm)

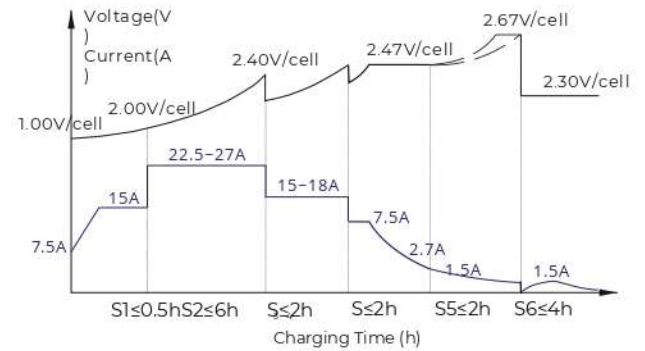


Electrical Characteristics

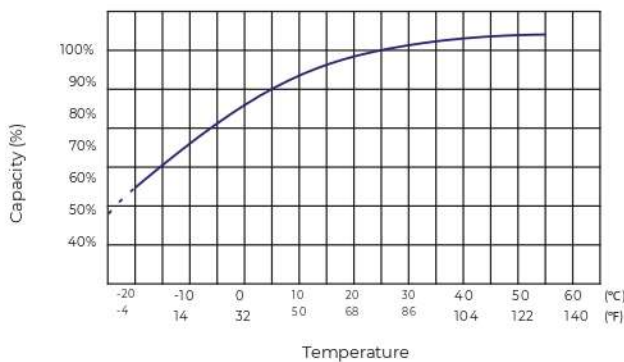
Discharging Characteristics@25°C(77°F)



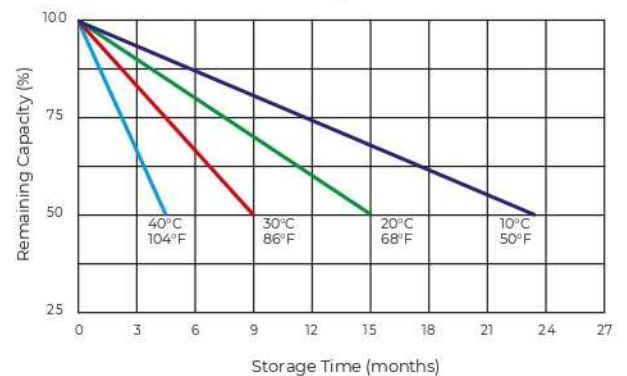
Charging Characteristics@25°C(77°F)



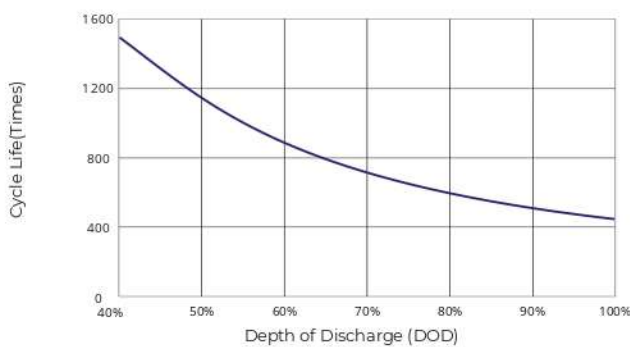
Capacity vs Temperature



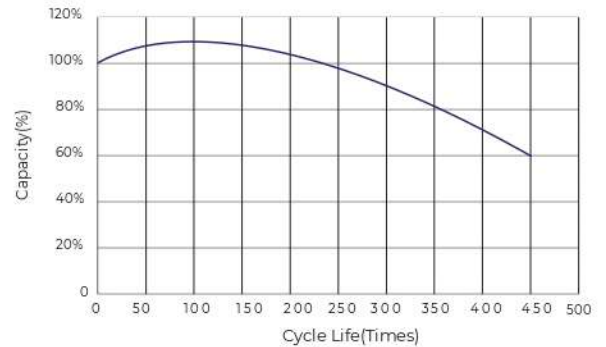
Self-discharge vs Time



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