

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



Low-speed EV



Electric Forklift



Wheelchair



Lift Truck



Motor Home



Sweeper



Kid's Electric Bike



Electric Motorcycle



E-scooter



Electric Tricycle



Water Scooter



Snowmobile

Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
6-EVF-230	Length	Width	Height	Total Height	59/130.1	I7	ABS UL94-HB (Optional: FR ABS UL94-V0)
	532/20.9	207/8.15	220/8.66	220/8.86			

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°F}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	230Ah 20hr Rate (1.80V/cell) 205Ah 10hr Rate (1.75V/cell) 192Ah 5hr Rate (1.75V/cell) 180Ah 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%

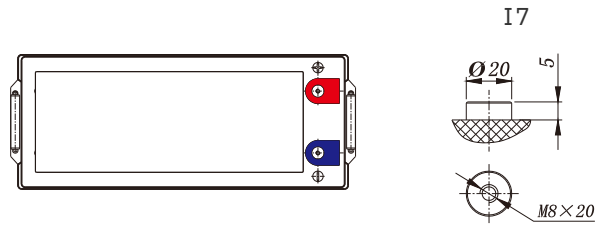
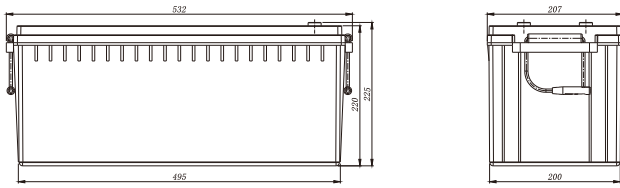
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	246.6	175.7	140.8	80.5	55.7	44.26	36.25	30.90	23.89	19.60	11.12
1.80V/cell	255.3	180.9	145.1	83.3	57.8	45.53	37.66	32.04	24.55	20.09	11.50
1.75V/cell	262.2	187.7	150.4	88.6	60.0	47.17	38.48	32.69	25.26	20.48	11.72
1.70V/cell	268.6	192.6	155.7	89.9	61.4	48.87	40.14	34.36	25.86	21.01	11.98
1.67V/cell	274.2	198.7	161.2	91.0	62.1	49.31	41.09	34.53	26.46	21.39	12.09
1.60V/cell	281.5	204.5	164.5	94.0	64.3	50.78	41.98	35.57	27.12	22.12	12.18

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

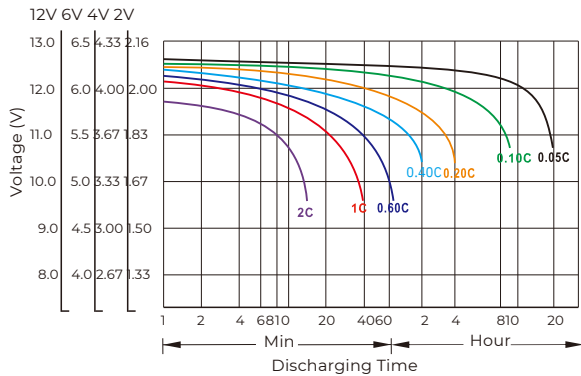
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	481.6	345.6	278.4	160.5	111.8	89.1	73.1	62.4	48.39	39.76	22.64
1.80V/cell	496.7	354.6	285.9	165.4	115.5	91.3	75.6	64.5	49.55	40.61	23.31
1.75V/cell	508.1	366.9	295.6	175.3	119.4	94.2	77.0	65.5	50.78	41.25	23.68
1.70V/cell	517.9	373.8	304.1	177.0	121.4	97.0	79.9	68.5	51.72	42.09	24.10
1.67V/cell	524.4	382.8	313.0	178.0	122.1	97.3	81.2	68.4	52.47	42.55	24.16
1.60V/cell	533.9	391.3	316.2	182.3	125.3	99.4	82.3	69.9	53.42	43.67	24.30

Battery Dimensions(mm)

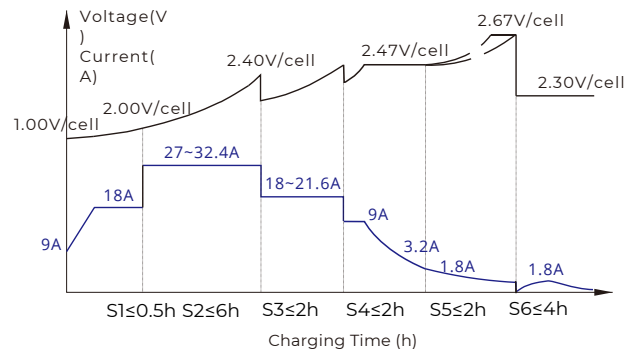


Electrical Characteristics

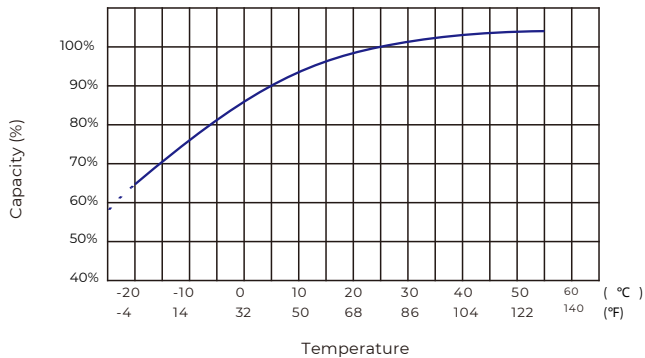
Discharging Characteristics@25°C(77°F)



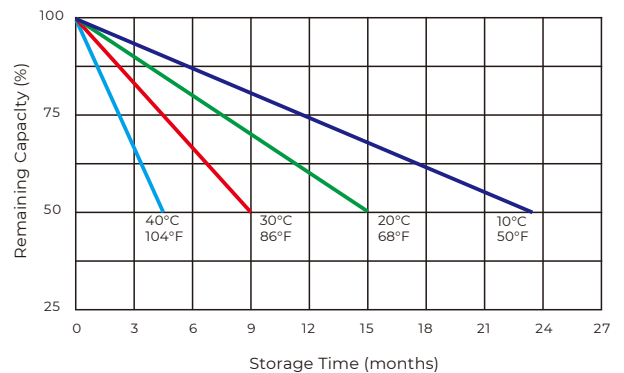
Charging Characteristics@25°C(77°F)



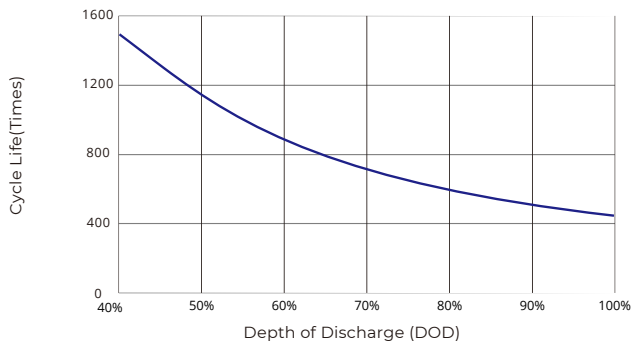
Capacity vs Temperature



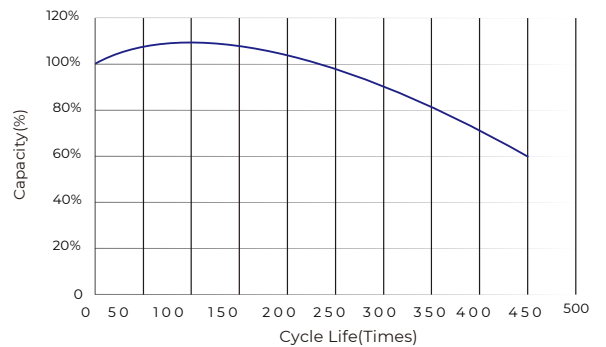
Self-discharge vs Time



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 current: ≤0.2C3A

Limited Voltage

14.4V~14.8V@25°C(77°F)
Temp.Coefficient:-24mV/°C

Floating Voltage

13.5V~13.8V@25°C(77°F)
Temp.Coefficient:-18mV/°C