



Characteristics

- ★ Extended Operating Temperature Range: Greensaver batteries are able to operate under the harshest environments from -40°C +60°C temperatures
- ★ Maintains High Capacity Under Low Temperatures: Greensaver Batteries are able to hold 80-85% of their total capacity under -10°C temperatures.
- ★ High Charge Acceptance Ability: With low internal resistance, Greensaver batteries have high charge efficiency and have fast charging ability.
- ★ Long Battery Life: Without electrolyte stratification using patented electrolyte, Greensaver batteries have cycle life more than 1200 cycles.

Applications

- ★ Golf cart, wheelchairs, Sweepers, Marine systems;
- ★ Electric car, Electric bike.
- ★ Solar energy and wind energy systems;
- ★ Power station system;

Nominal Voltage		6V
Nominal Capacity (20 hour rate)		310Ah
Capacity 25°C (77°F)	10 hour rate (18.9A)	279Ah
	5 hour rate (33.4A)	246.5Ah
	1 hour rate (116.4A)	171.9Ah
Internal Resistance	Full Charged Battery 25°C	≤2.7m Ω
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	80%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	95%
	after 6 month storage	85%
	after 12 month storage	80%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 62A Voltage 6.8-6.9V
	Cycle	Initial Charging Current Less than 62A Voltage 7.2-7.45V

Battery Dimensions	Length	295mm
	Width	178mm
	Height	345mm
	Total Height	350mm
Box Dimensions	Length	410mm
	Width	194mm
	Height	416mm
Quantity Per Box		1 PC per box
Net weight Per Cell		47.0 kg±500g
Net weight Per Box		47.0kg
Gross Weight		47.7kg

Discharge Constant Current per Cell (Amperes at 77°F/25°C)

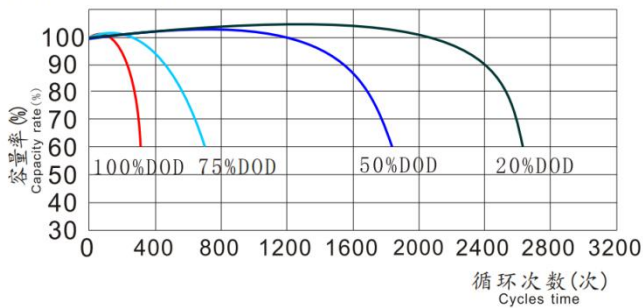
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	736.6	469.6	399.0	254.7	187.2	171.9	109.3	76.7	52.2	34.4	30.7	17
1.65V	723.2	461.0	391.7	250.1	183.8	168.7	107.3	75.3	51.2	33.7	30.1	16.7
1.70V	709.8	452.5	384.5	245.5	180.4	165.6	105.3	73.9	50.3	33.1	29.6	16.4
1.75V	696.4	443.9	377.2	240.8	177.0	162.5	103.3	72.5	49.3	32.5	29.0	16.1
1.80V	669.6	426.9	362.7	231.6	170.2	156.2	99.3	69.8	47.4	31.2	27.9	15.5

Discharge Constant Power per Cell (Watts at 77°F 25°C)

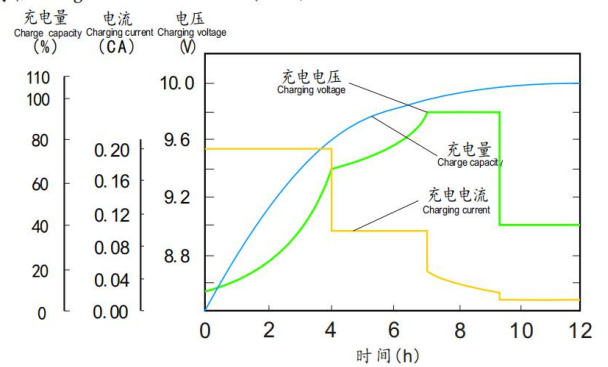
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1417.9	903.9	768.0	490.3	360.4	330.8	210.3	147.7	100.4	66.2	59.1	32.8
1.65V	1392.1	887.5	754.1	481.4	353.8	324.8	206.5	145.0	98.6	65.0	58.0	32.2
1.70V	1366.3	871.0	740.1	472.5	347.3	318.8	202.7	142.3	96.8	63.8	56.9	31.6
1.75V	1340.5	854.6	726.1	463.6	340.7	312.8	198.8	139.6	95.0	62.6	55.9	31.0
1.80V	1289.0	821.7	698.2	445.8	327.6	300.8	191.2	134.3	91.3	60.2	53.7	29.8

Performance Characteristic

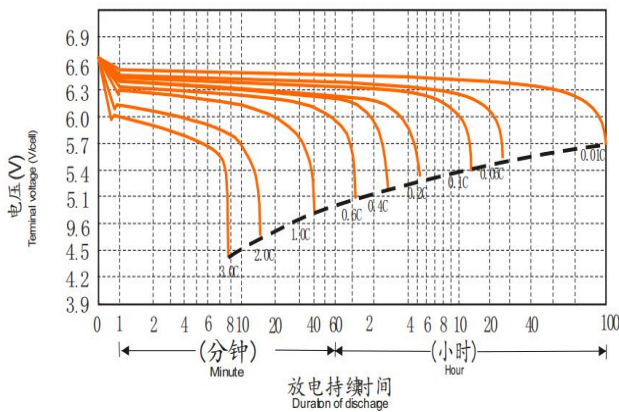
放电深度与循环寿命的关系 (25°C)
Cycle life curves (25°C)



充电特性 Charge characteristics 77°F(25°C)



放电特性 Discharge characteristics 77 F(25°C)



不同温度下的放电容量

Temperature and discharge capacity

