



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		12V
Nominal Capacity (20 hour rate)		100Ah
Capacity 25°C (77°F)	10 hour rate (9.0A)	90.0Ah
	5 hour rate (15.9A)	87.5Ah
	1 hour rate (55.4A)	55.4Ah
Internal Resistance	Full Charged Battery 25°C	≤5.3mΩ
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 20A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 20A Voltage 14.4-14.9V

Battery Dimensions	Length	307mm
	Width	169mm
	Height	211mm
	Total Height	215mm
Box Dimensions	Length	322mm
	Width	184mm
	Height	251mm
Quantity Per Box		1 PC per box
Net weight Per Cell		30 kg±200g
Net weight Per Box		30kg
Gross Weight		30.5kg

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

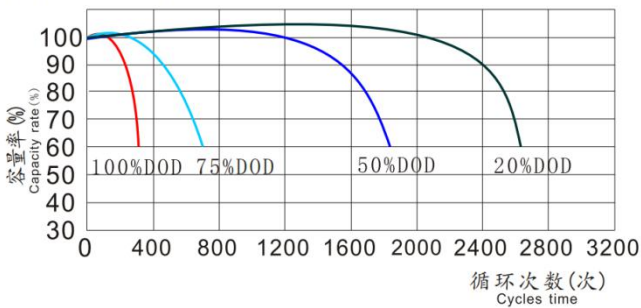
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	237.6	151.5	128.7	82.2	60.4	55.4	35.2	24.8	16.8	11.1	9.9	5.5
1.65V	233.3	148.7	126.4	80.7	59.3	54.4	34.6	24.3	16.5	10.9	9.7	5.4
1.70V	229.0	146.0	124.0	79.2	58.2	53.4	34.0	23.9	16.2	10.7	9.5	5.3
1.75V	224.6	143.2	121.7	77.7	57.1	52.4	33.3	23.4	15.9	10.5	9.4	5.2
1.80V	216.0	137.7	117.0	74.7	54.9	50.4	32.0	22.5	15.3	10.1	9.0	5.00

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

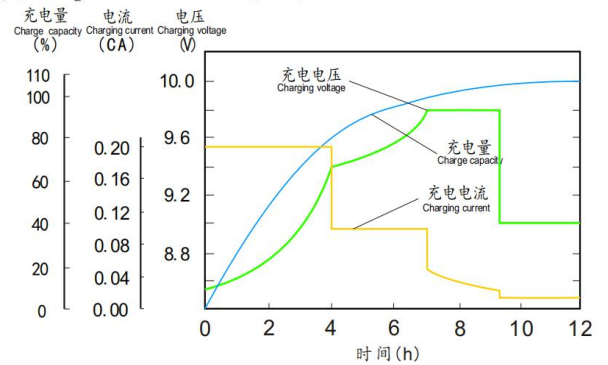
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	457.4	291.6	247.7	158.2	116.3	106.7	67.8	47.6	32.4	21.3	19.1	10.6
1.65V	449.1	286.3	243.2	155.3	114.1	104.8	66.6	46.8	31.8	21.0	18.7	10.4
1.70V	440.7	281.0	238.7	152.4	112.0	102.8	65.4	45.9	31.2	20.6	18.4	10.2
1.75V	432.4	275.7	234.2	149.5	109.9	100.9	64.1	45.0	30.6	20.2	18.0	10.0
1.80V	415.8	265.1	225.2	143.8	105.7	97.0	61.7	43.3	29.5	19.4	17.3	9.6

Performance Characteristic

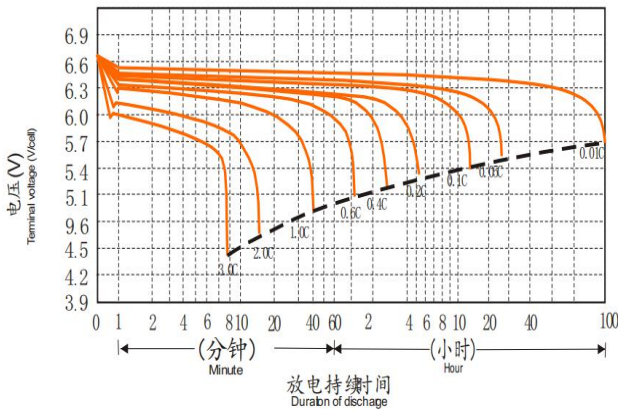
放电深度与循环寿命的关系 (25°C)
Cycle life curves (25°C)



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

