



**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 (10 hour rate)		15Ah
Capacity 25°C (77°F)	20hour rate	16.5Ah
	5 hour rate	13.6Ah
	2 hour rate	12Ah
Internal Resistance	Full Charged Battery 25°C	≤18m 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 2.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 2.5A Voltage 14.4-14.9V

Battery Dimensions	Length	151mm
	Width	98.5mm
	Height	97mm
	Total Height	101mm
Box Dimensions	Length	---mm
	Width	---mm
	Height	--mm
Quantity Per Box		--PC per box
Net weight Per Cell		4.2 kg±100g
Net weight Per Box		----kg
Gross Weight		----kg

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

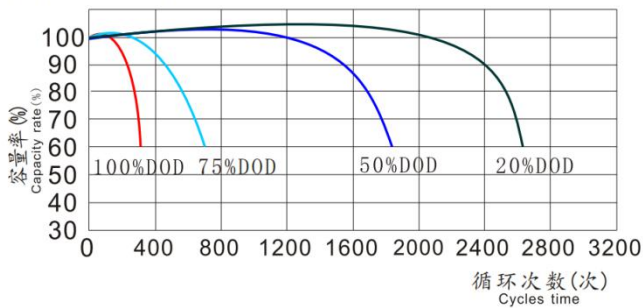
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	47.5	31.1	23.1	15.2	7.92	4.54	3.31	2.65	2.26	1.49	1.19	0.62
1.65V	43.6	29.8	21.2	14.4	7.44	4.35	3.21	2.57	2.20	1.47	1.18	0.61
1.70V	38.6	27.8	19.8	14.0	7.19	4.27	3.16	2.44	2.18	1.44	1.16	0.60
1.75V	35.9	26.6	18.5	13.6	6.95	4.16	3.10	2.40	2.09	1.40	1.12	0.59
1.80V	33.0	25.1	17.2	13.2	6.71	4.05	2.94	2.35	2.00	1.37	1.10	0.57

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

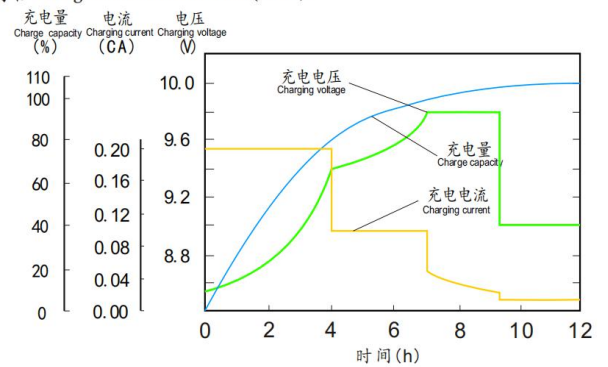
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	535	336	254	154	87.2	51.0	37.5	30.1	25.6	16.9	13.8	7.56
1.65V	494	318	239	153	81.9	49.0	36.5	29.2	25.1	16.6	13.5	7.35
1.70V	452	309	228	152	79.5	48.1	35.9	27.7	24.9	16.4	13.4	7.30
1.75V	410	299	220	151	77.2	47.0	35.4	27.4	23.8	15.8	13.1	7.14
1.80V	368	289	209	150	76.1	46.7	34.4	27.3	23.3	15.2	12.9	7.09

## Performance Characteristic

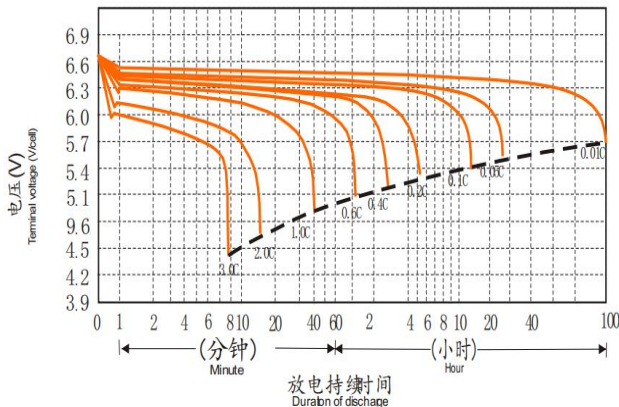
放电深度与循环寿命的关系 (25°C)  
Cycle life curves (25°C)



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

