



### 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		8V
Nominal Capacity (3 hour rate)		150Ah
Capacity 25°C(77°F)	20 hour rate	200Ah
	5 hour rate	160Ah
	2 hour rate	135Ah
Internal Resistance	Full Charged Battery 25°C	≤2.0mΩ
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 40A Voltage 9.07-9.2V
	Cycle	Initial Charging Current Less than 40A Voltage 9.6-9.94V

Battery Dimensions	Length	260mm
	Width	182mm
	Height	281mm
	Total Height	281mm
Box Dimensions	Length	275mm
	Width	197mm
	Height	337mm
Quantity Per Box		1 PC per box
Net weight Per Cell		35.5 kg±400g
Net weight Per Box		35.5kg
Gross Weight		36.1kg

### Discharge Constant Current per Cell (Amperes at 77°F25°C)

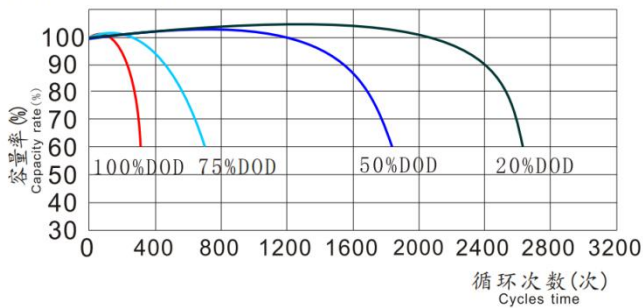
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	475.2	302.9	257.4	164.3	120.8	110.9	70.5	49.5	33.7	22.2	19.8	11
1.65V	466.6	297.4	252.7	161.4	118.6	108.9	69.2	48.6	33.0	21.8	19.4	10.8
1.70V	457.9	291.9	248.0	158.4	116.4	106.8	67.9	47.7	32.4	21.4	19.1	10.6
1.75V	449.3	286.4	243.4	155.4	114.2	104.8	66.6	46.8	31.8	21.0	18.7	10.4
1.80V	432.0	275.4	234.0	149.4	109.8	100.8	64.1	45.0	30.6	20.2	18.0	10.00

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

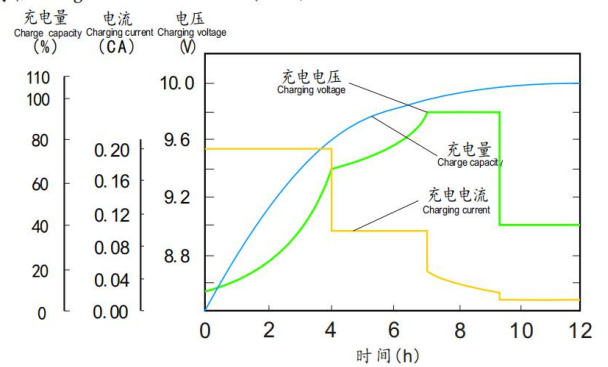
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	914.8	583.2	495.5	316.4	232.5	213.4	135.7	95.3	64.8	42.7	38.1	21.2
1.65V	898.1	572.6	486.5	310.6	228.3	209.6	133.2	93.6	63.6	41.9	37.4	20.8
1.70V	881.5	562.0	477.5	304.9	224.0	205.7	130.8	91.8	62.4	41.1	36.7	20.4
1.75V	864.9	551.4	468.5	299.1	219.8	201.8	128.3	90.1	61.3	40.4	36.0	20.0
1.80V	831.6	530.1	450.5	287.6	211.4	194.0	123.4	86.6	58.9	38.8	34.7	19.2

## Performance Characteristic

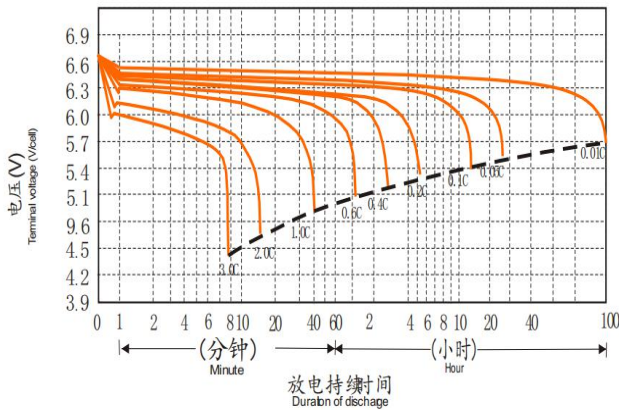
放电深度与循环寿命的关系 (25°C)  
Cycle life curves (25°C)



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

