



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)		180Ah
Capacity 25°C (77°F)	10 hour rate (16.2A)	162Ah
	5 hour rate (28.6A)	143Ah
	1 hour rate (99.8A)	99.8Ah
Internal Resistance	Full Charged Battery 25°C	≤3.5mΩ
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 36A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 36A Voltage 14.4-14.9V

Battery Dimensions	Length	532mm
	Width	206mm
	Height	216mm
	Total Height	221mm
Box Dimensions	Length	537mm
	Width	221mm
	Height	296mm
Quantity Per Box		1 PC per box
Net weight Per Cell		56.0 kg±300g
Net weight Per Box		56.0kg
Gross Weight		56.6kg

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

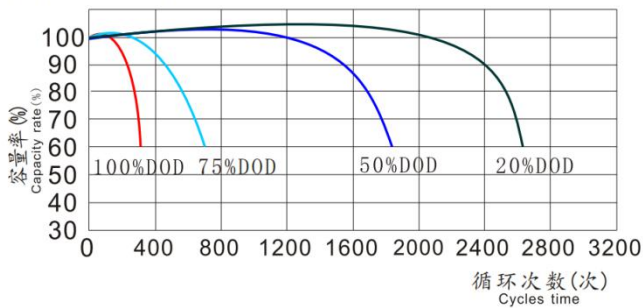
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	427.7	272.6	231.7	147.9	108.7	99.8	63.4	44.6	30.3	20.0	17.8	9.9
1.65V	419.9	267.7	227.4	145.2	106.7	98.0	62.3	43.7	29.7	19.6	17.5	9.72
1.70V	412.1	262.7	223.2	142.5	104.7	96.2	61.1	42.9	29.2	19.2	17.2	9.54
1.75V	404.4	257.8	219.0	139.8	102.8	94.3	60.0	42.1	28.6	18.9	16.8	9.36
1.80V	388.8	247.9	210.6	134.5	98.8	90.7	57.7	40.5	27.5	18.1	16.2	9.00

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

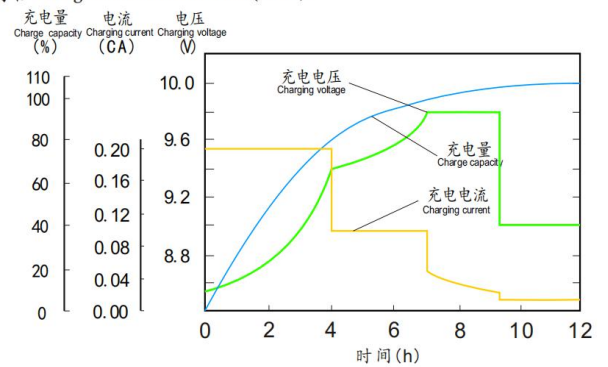
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	823.3	524.8	445.9	284.7	209.3	192.1	122.1	85.8	58.3	38.4	34.3	19.1
1.65V	808.3	515.3	437.8	279.5	205.4	188.6	119.9	84.2	57.3	37.7	33.7	18.7
1.70V	793.3	505.8	429.7	274.4	201.6	185.1	117.7	82.6	56.2	37.0	33.1	18.4
1.75V	778.4	496.2	421.6	269.2	197.8	181.6	115.5	81.1	55.1	36.3	32.4	18.0
1.80V	748.4	477.1	405.4	258.8	190.2	174.6	111.0	78.0	53.0	34.9	31.2	17.3

Performance Characteristic

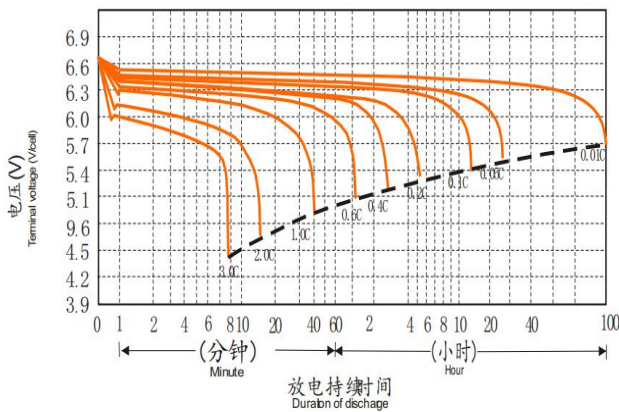
放电深度与循环寿命的关系 (25°C)
Cycle life curves (25°C)



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

