



**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)		40Ah
Capacity 25°C (77°F)	10 hour rate (3.6A)	36.0Ah
	5 hour rate (6.4A)	32.0Ah
	1 hour rate (22.0A)	22.0Ah
Internal Resistance	Full Charged Battery 25°C	≤10m 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 10A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 10A Voltage 14.4-14.9V

Battery Dimensions	Length	198mm
	Width	166mm
	Height	174mm
	Total Height	174mm
Box Dimensions	Length	212mm
	Width	180mm
	Height	220mm
Quantity Per Box		1 PC per box
Net weight Per Cell		14 kg±100g
Net weight Per Box		14kg
Gross Weight		14.5kg

**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	95.0	60.6	51.5	32.9	24.2	22.2	14.1	9.9	6.7	4.4	4.0	2.2
1.65V	93.3	59.5	50.5	32.3	23.7	21.8	13.8	9.7	6.6	4.4	3.9	2.16
1.70V	91.6	58.4	49.6	31.7	23.3	21.4	13.6	9.5	6.5	4.3	3.8	2.12
1.75V	89.9	57.3	48.7	31.1	22.8	21.0	13.3	9.4	6.4	4.2	3.7	2.08
1.80V	86.4	55.1	46.8	29.9	22.0	20.2	12.8	9.0	6.1	4.0	3.6	2.00

