

Features

- ★ Long survives life: ultra particle composite silicate solution is neutral, not corrode plates inside the battery, survive life is up to 15years standby use.
- ★ It will not generate gas in use, the electrolyte is neutral, so it can reduce environmental pollution. The engine Room need no ventilation, explosion-proof, the floor need no acid proof pipeline need not to buried specially, thereby reducing the total cost of the enterprise investment.

Applications

- ★ Solar system and Wind system
- ★ Solar street light and solar garden light
- ★ Emergency lighting equipment
- ★ Fire alarm and security systems
- ★ Telecommunication equipment
- ★ Electric equipment and telemeter equipment

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		33Ah
Capacity 25°C (77°F)	20 hour rate (1.83A)	36.6Ah
	5 hour rate (6.0A)	30Ah
	1 hour rate (22.0A)	22.0Ah
Internal Resistance	Full Charged Battery 25°C	≤11mΩ
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)	75%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	92%
	after 6 month storage	84%
	after 12 month storage	75%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 8.25A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 8.25A Voltage 14.4-14.9V

Battery Dimensions	Length	196mm
	Width	131mm
	Height	155mm
	Total Height	167mm
Box Dimensions	Length	211mm
	Width	144mm
	Height	211mm
Quantity Per Box		1 PC per box
Net weight Per Cell		10.5 kg±100g
Net weight Per Box		10.5kg
Gross Weight		10.8kg

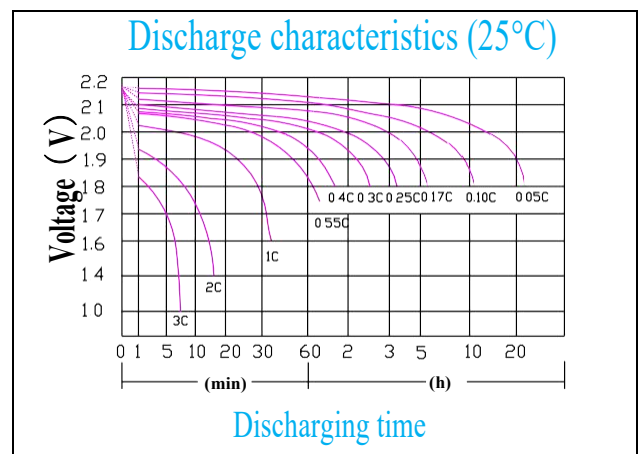
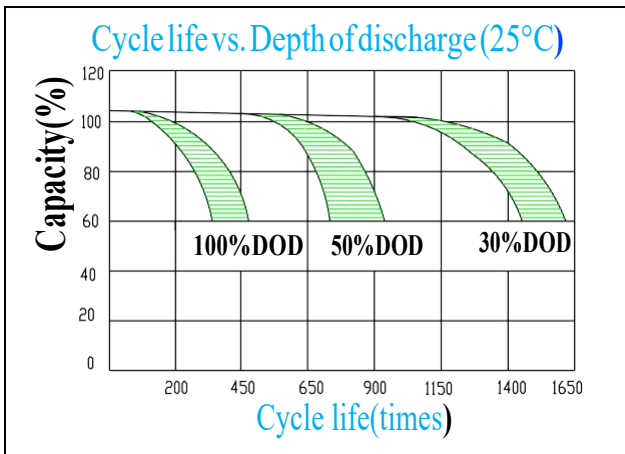
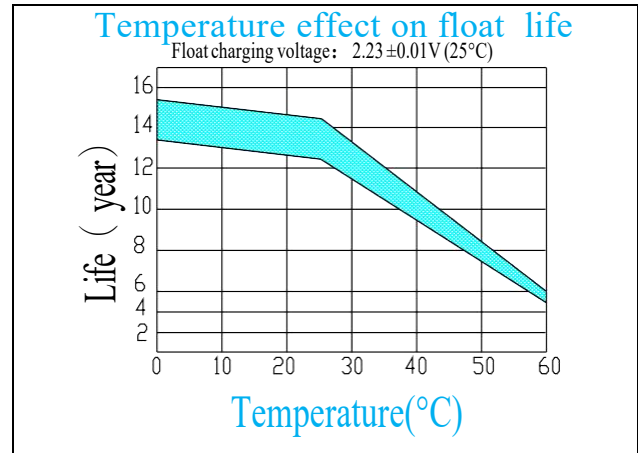
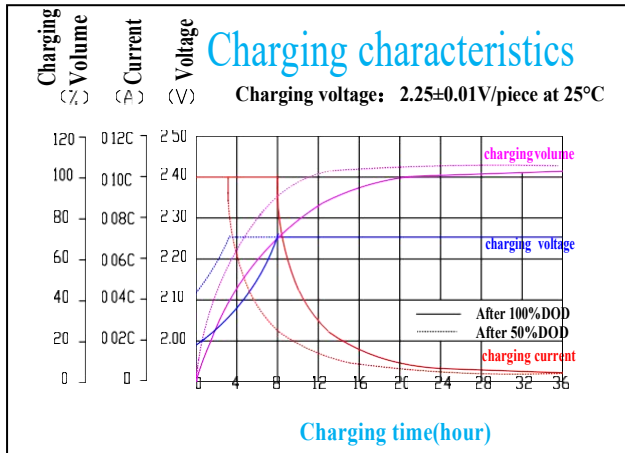
Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	111.0	73.9	55.7	34.7	24.9	22.0	13.4	9.8	6.3	3.8	3.43	1.90
1.65V	102.3	68.1	53.4	33.7	24.2	21.4	13.1	9.6	6.2	3.8	3.40	1.89
1.70V	104.0	69.3	51.1	32.8	23.5	20.8	12.9	9.4	6.1	3.8	3.37	1.87
1.75V	91.9	61.2	48.8	31.9	22.9	20.2	12.6	9.2	6.0	3.7	3.33	1.85
1.80V	86.7	57.8	46.4	31.0	22.2	19.6	12.3	9.0	5.9	3.7	3.30	1.83

Discharge Constant Power (Watts at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	206.9	137.9	103.9	64.7	46.4	40.9	25.0	18.2	11.7	7.2	6.4	3.6
1.65V	190.8	127.1	99.6	62.9	45.1	39.8	24.5	17.9	11.6	7.1	6.3	3.5
1.70V	194.0	129.2	95.3	61.2	43.9	38.8	24.0	17.6	11.4	7.0	6.3	3.5
1.75V	171.4	114.2	90.9	59.5	42.7	37.7	23.5	17.2	11.2	7.0	6.2	3.4
1.80V	161.7	107.7	86.6	57.7	41.4	36.6	22.9	16.7	11.1	6.9	6.2	3.4

Performance Characteristics



Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	GEL

