

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)		50Ah
Capacity 25°C (77°F)	20 hour rate (2.78A)	55.6Ah
	5 hour rate (9.1A)	45.5Ah
	1 hour rate (33.3A)	33.3Ah
Internal Resistance	Full Charged Battery 25°C	≤8.4mΩ
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 12.5A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 12.5A Voltage 2.33-2.37V

Battery Dimensions	Length	229mm
	Width	138mm
	Height	208mm
	Total Height	212mm
Box Dimensions	Length	244mm
	Width	152mm
	Height	254mm
Quantity Per Box		1 PC per box
Net weight Per Cell		17.0 kg±2100g
Net weight Per Box		17.0kg
Gross Weight		17.4kg

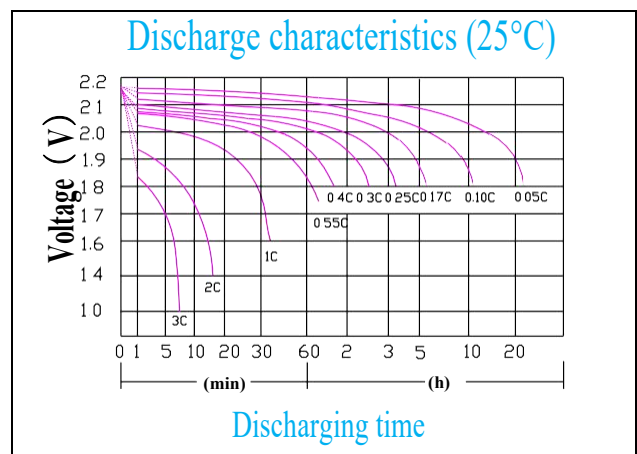
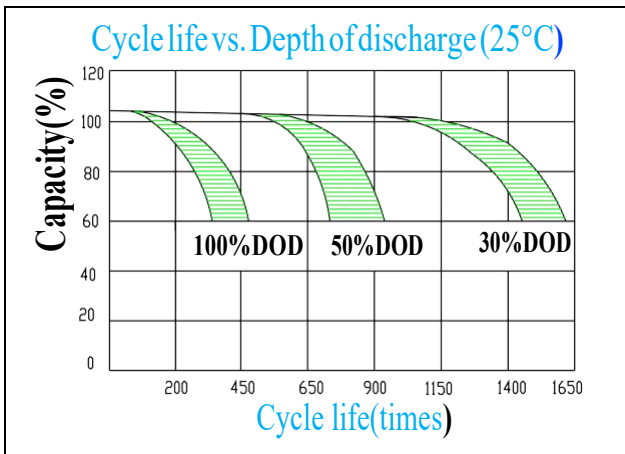
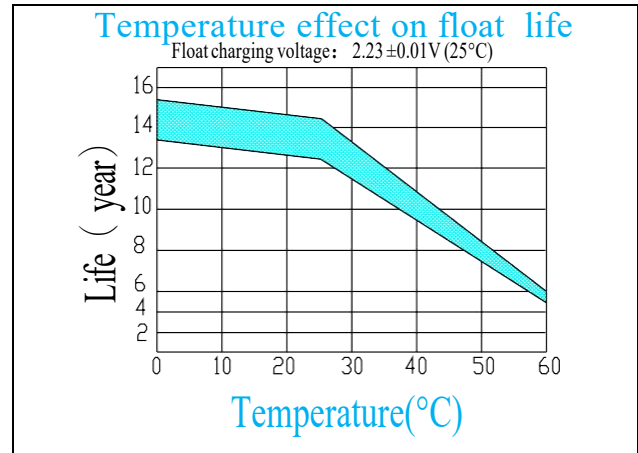
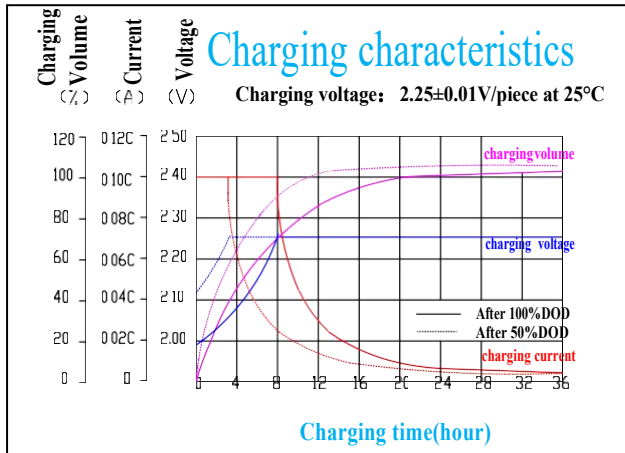
Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	168.1	112.0	84.4	52.5	37.7	33.3	20.3	14.8	9.5	5.8	5.20	2.89
1.65V	155.0	103.3	80.9	51.1	36.7	32.4	19.9	14.6	9.4	5.8	5.15	2.86
1.70V	157.6	105.0	77.4	49.7	35.7	31.5	19.5	14.3	9.3	5.7	5.10	2.83
1.75V	139.2	92.8	73.9	48.3	34.7	30.6	19.1	13.9	9.1	5.7	5.05	2.80
1.80V	131.4	87.5	70.4	46.9	33.7	29.7	18.6	13.6	9.0	5.6	5.00	2.78

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	313.6	208.9	157.4	98.0	70.3	62.0	37.8	27.6	17.8	10.9	9.7	5.4
1.65V	289.1	192.6	150.9	95.3	68.4	60.4	37.1	27.1	17.5	10.8	9.6	5.3
1.70V	294.0	195.8	144.3	92.7	66.5	58.7	36.4	26.6	17.3	10.7	9.5	5.3
1.75V	259.7	173.0	137.8	90.1	64.6	57.1	35.6	26.0	17.0	10.5	9.4	5.2
1.80V	245.0	163.2	131.2	87.5	62.8	55.4	34.7	25.4	16.8	10.4	9.3	5.2

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

