

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		2V
Nominal Capacity (10 hour rate)		200Ah
Capacity 25°C (77°F)	20 hour rate (10.6A)	212Ah
	5 hour rate (35.4A)	177Ah
	1 hour rate (110A)	110Ah
Internal Resistance	Full Charged Battery 25°C	≤0.47mΩ
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 30A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 30A Voltage 2.33-2.37V

Battery Dimensions	Length	172mm
	Width	110mm
	Height	330mm
	Total Height	367mm
Box Dimensions	Length	186mm
	Width	124mm
	Height	424mm
Quantity Per Box		1 PC per box
Net weight Per Cell		13.4 kg±200g
Net weight Per Box		13.4kg
Gross Weight		13.9kg

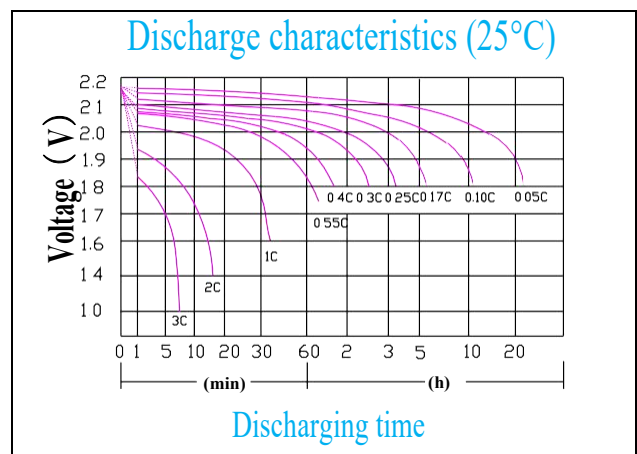
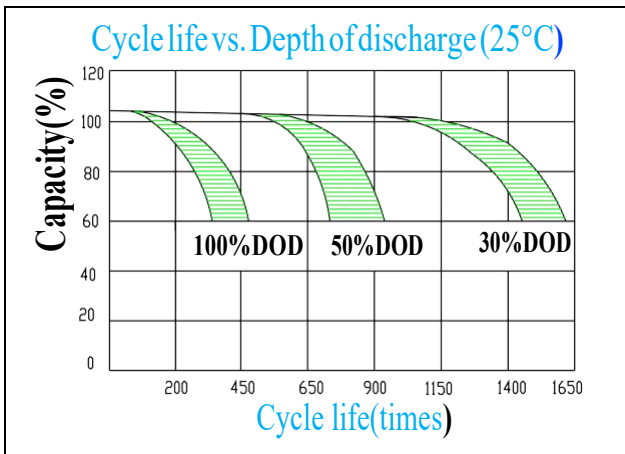
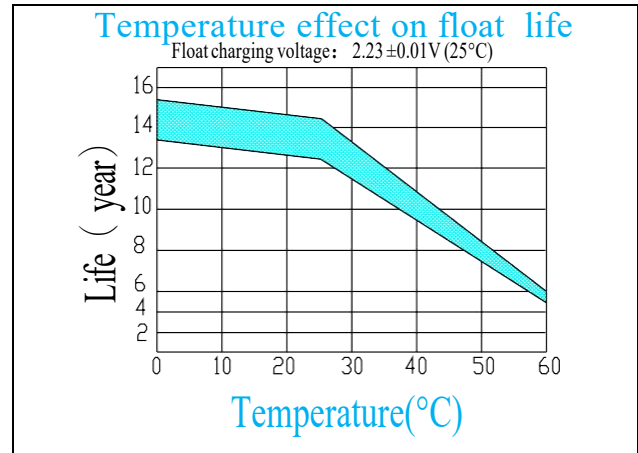
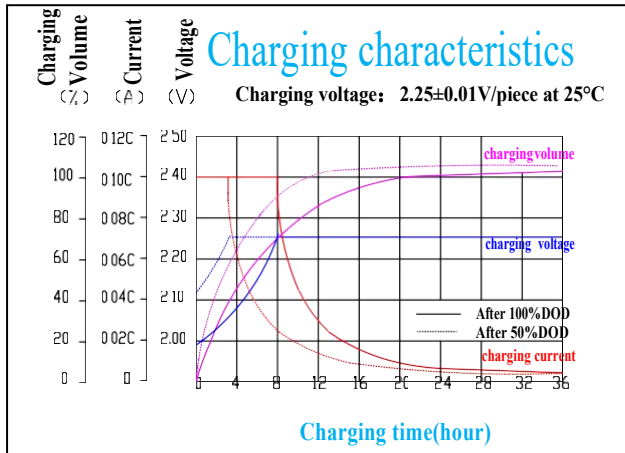
Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	559	361	299	198	147	121	77	55	37	25	22.0	11.7
1.65V	549	354	294	194	145	119	76	54	37	24	21.6	11.4
1.70V	538	348	288	191	142	117	74	53	36	24	21.2	11.2
1.75V	528	341	283	187	139	114	73	52	35	23	20.8	11.0
1.80V	508	328	272	180	134	110	70	50	34	22	20.0	10.6

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	1076	695	576	381	284	233	148	106	72	47	42.4	22.4
1.65V	1056	682	565	374	279	229	146	104	71	47	41.6	22.0
1.70V	1037	669	555	367	273	224	143	102	69	46	40.8	21.6
1.75V	1017	657	545	360	268	220	140	100	68	45	40.0	21.2
1.80V	978	631	524	347	258	212	135	96	65	43	38.5	20.4

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

