

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)		400Ah
Capacity 25°C (77°F)	20 hour rate (21.2A)	424Ah
	5 hour rate (70.7A)	353.5Ah
	1 hour rate (220A)	220Ah
Internal Resistance	Full Charged Battery 25°C	≤0.39mΩ
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 60A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 60A Voltage 2.33-2.37V

Battery Dimensions	Length	211mm
	Width	175mm
	Height	330mm
	Total Height	368mm
Box Dimensions	Length	225mm
	Width	190mm
	Height	425mm
Quantity Per Box		1 PC per box
Net weight Per Cell		26.7 kg±200g
Net weight Per Box		26.7kg
Gross Weight		27.7kg

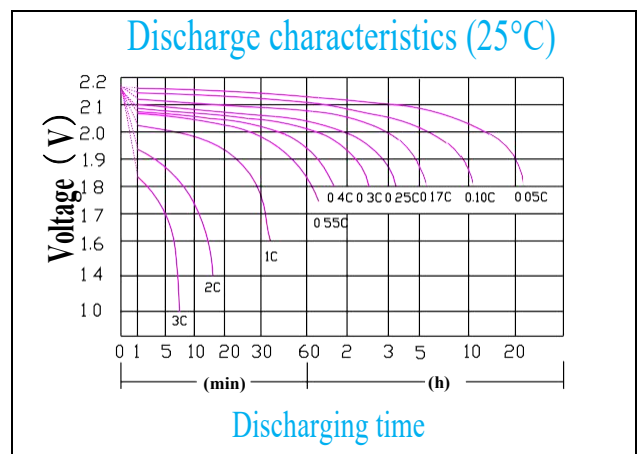
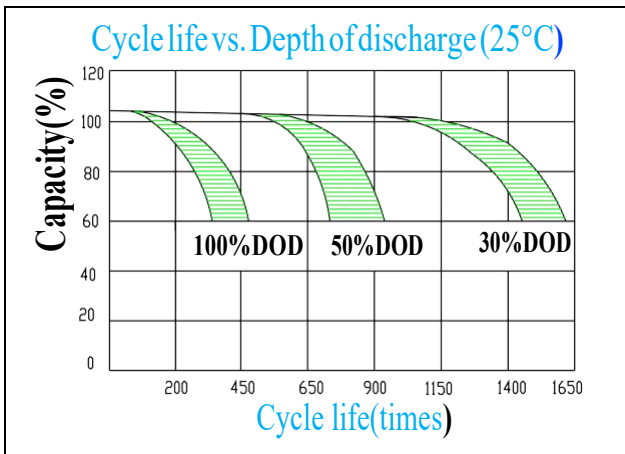
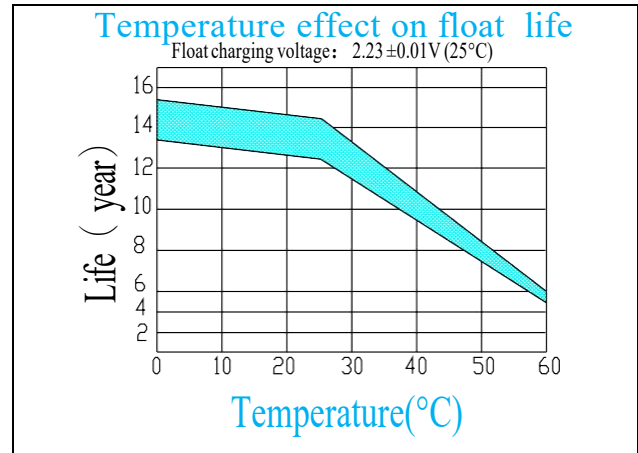
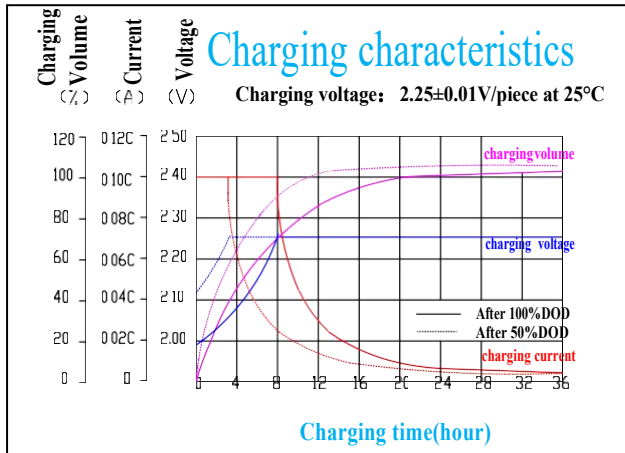
Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1118	722	598	396	295	242	154	110	75	49	44.0	23.3
1.65V	1097	708	588	389	289	238	151	108	73	48	43.2	22.9
1.70V	1077	695	577	382	284	233	148	106	72	47	42.4	22.5
1.75V	1057	682	566	374	279	229	146	104	71	47	41.6	22.0
1.80V	1016	656	544	360	268	220	140	100	68	45	40.0	21.2

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	2151	1389	1152	762	567	466	296	212	144	95	84.7	44.9
1.65V	2112	1364	1131	748	557	457	291	208	141	93	83.2	44.1
1.70V	2073	1339	1110	735	547	449	286	204	139	91	81.6	43.3
1.75V	2034	1313	1089	721	537	440	280	200	136	90	80.1	42.4
1.80V	1956	1263	1047	693	516	424	270	193	131	86	77.0	40.8

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

