

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)		300Ah
Capacity 25°C(77°F)	20 hour rate (15.9A)	318Ah
	5 hour rate (53A)	265Ah
	1 hour rate (165A)	165Ah
Internal Resistance	Full Charged Battery 25°C	≤0.45mΩ
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 45A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 45A Voltage 2.33-2.37V

Battery Dimensions	Length	172mm
	Width	150mm
	Height	330mm
	Total Height	365mm
Box Dimensions	Length	186mm
	Width	164mm
	Height	422mm
Quantity Per Box		1 PC per box
Net weight Per Cell		19.0 kg±200g
Net weight Per Box		19.0kg
Gross Weight		20.0kg

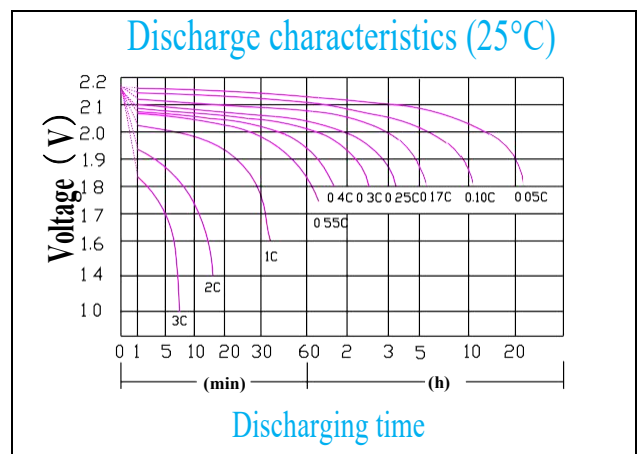
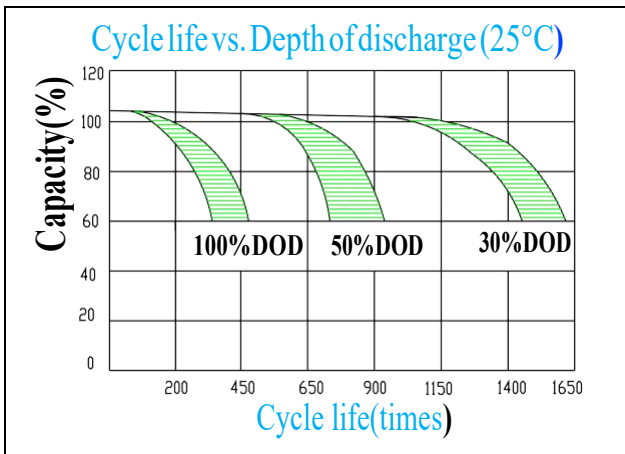
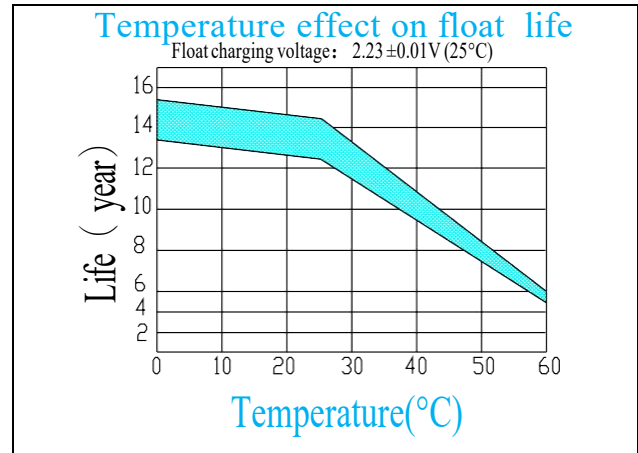
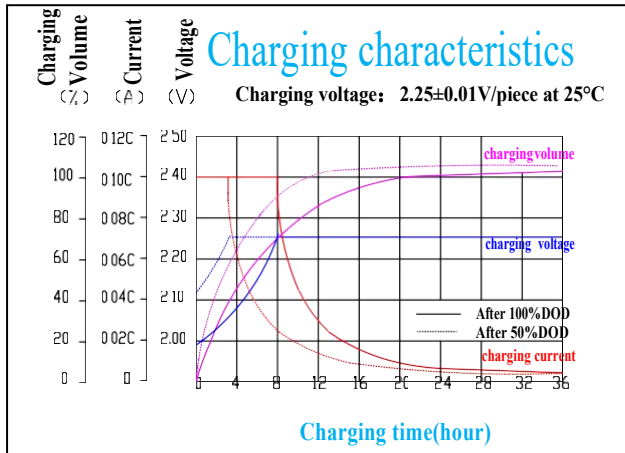
Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	838	541	449	297	221	165	129	82.5	56.1	37.0	33.0	17.5
1.65V	823	531	441	292	217	162	126	81.0	55.1	36.3	32.4	17.2
1.70V	808	522	432	286	213	159	124	79.5	54.1	35.6	31.8	16.9
1.75V	792	512	424	281	209	156	122	78.0	53.0	34.9	31.2	16.5
1.80V	762	492	408	270	201	150	117	75.0	51.0	33.6	30.0	15.9

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	1614	1042	864	572	426	318	248	158.8	108.0	71.1	63.5	33.7
1.65V	1584	1023	848	561	418	312	243	155.9	106.0	69.9	62.4	33.1
1.70V	1555	1004	833	551	410	306	239	153.0	104.1	68.6	61.2	32.4
1.75V	1526	985	817	541	402	300	234	150.2	102.1	67.3	60.1	31.8
1.80V	1467	947	785	520	387	289	225	144.4	98.2	64.7	57.8	30.6

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

