

Deep Cycle SLA Battery

Range Summary

By combining up-to-date DCP additives in the positive plates and special AGM separators, bosfa created an innovative range of DC batteries. The range features 70% higher cyclic life with 12 years of float life when compared with standard Duration range. The battery series is highly suited to very unreliable power applications requiring the batteries to provide extra cyclic life performance such as outdoor applications, small RE systems and electric vehicles.

Application

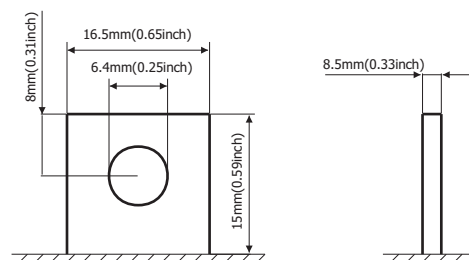
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

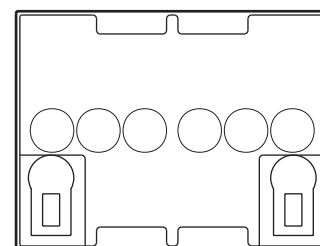
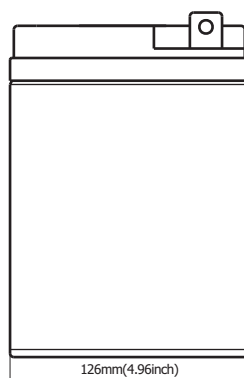
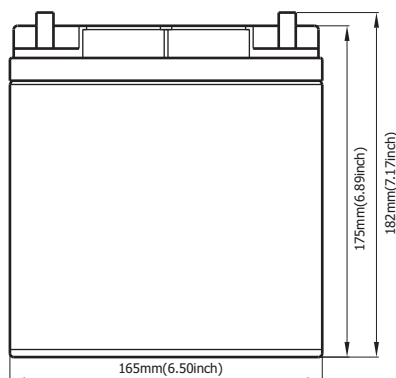
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0,optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexible design for multiple installation positions.

Construction

- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorAGM
- ElectrolyteSulfuric acid

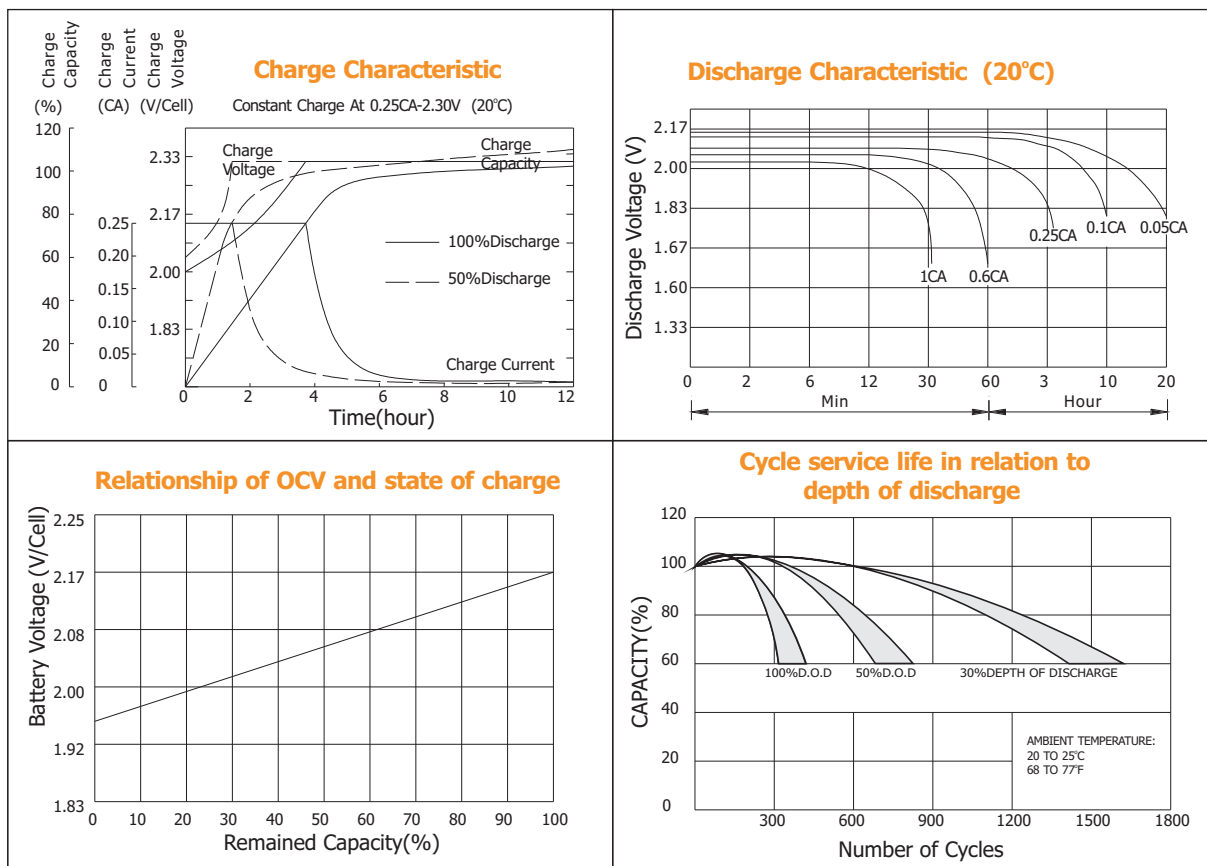


Terminal Dimensions



Battery Model	DC 12-28			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(20°C)	20HR(1.48A,1.80V)	10HR(2.80A,1.80V)	5HR(4.83A,1.75V)	1HR(17.6A,1.60V)
	29.6AH	28.0AH	24.2AH	17.6AH
Dimensions	Length	Width	Height	Total Height
	165mm(6.50inch)	126mm(4.96inch)	175mm(6.89inch)	182mm(7.17inch)
Approx. Weight	8.6Kg (19.0 lbs)			
Internal Resistance	Full charged at 20°C: 0.01 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 7A		13.6-13.8V(-20mV/ °C)	

Deep Cycle SLA Battery



Constant current discharge ratings-amperes at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	98.0	67.2	49.0	29.4	17.6	7.64	4.91	2.97	1.55
1.67V	88.2	61.3	47.6	28.6	17.5	7.62	4.87	2.92	1.54
1.70V	83.7	59.1	45.9	28.0	17.5	7.62	4.87	2.90	1.54
1.75V	74.5	54.6	43.4	27.4	17.3	7.56	4.83	2.85	1.54
1.80V	67.2	50.7	41.4	26.6	17.1	7.53	4.80	2.80	1.48
1.85V	51.0	41.7	35.8	24.5	16.9	7.50	4.76	2.75	1.39

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	162	111	86.8	55.4	34.6	14.7	9.40	5.94	3.10
1.67V	153	110	86.0	54.3	33.4	14.7	9.40	5.85	3.09
1.70V	143	107	84.6	52.9	32.6	14.7	9.40	5.80	3.09
1.75V	133	100	79.5	51.5	32.3	14.4	9.30	5.70	3.07
1.80V	120	93.2	74.8	50.1	31.7	14.3	9.14	5.60	2.97
1.85V	95.8	77.3	65.2	45.9	31.4	14.2	9.02	5.51	2.79

