Solar 12-70 12V70AH

Solar Series SLA Battery

Solar Series

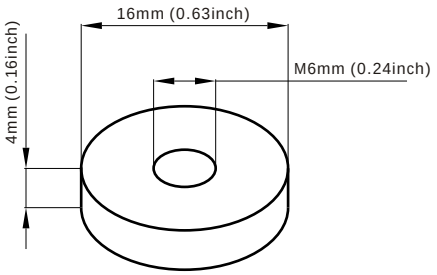
Bosfa Solar Series Valve-regulated Lead Acid batteries use particular alloy and material technology design to ensure a excellent performance in various environments, especially high and low temp. Bosfa Solar series batteries is optimal for storage and conversion of photovoltaic energy and wind energy.

Application

Photovoltaic system
Alternative Energy System
Electric Utility
Outdoor control Equipment
Railroad Utility

General Features

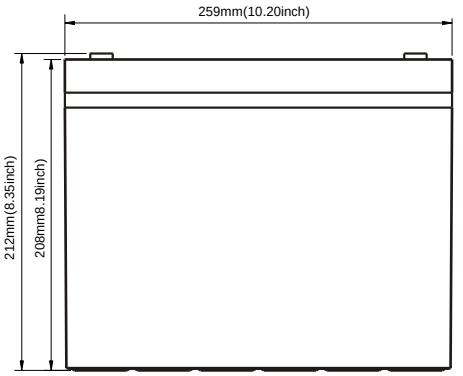
Sealed and maintenance free operation.
Non-Spillable construction design.
ABS containers and covers(UL94HB, UL94V-0) optional.
Safety valve installation for explosion proof.
High quality and high reliability.
Exceptional deep discharge recovery performance.
Low self discharge characteristic.
Flexibility design for multiple install positions.

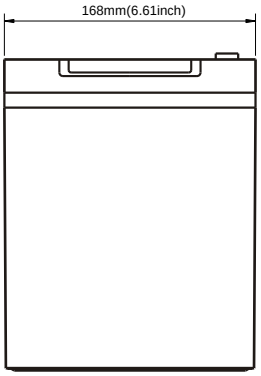


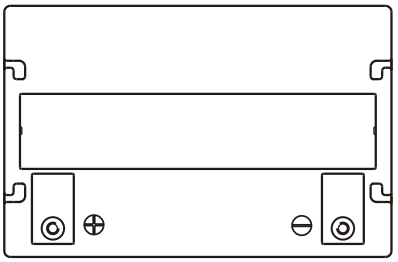
Terminal Dimensions

Construction

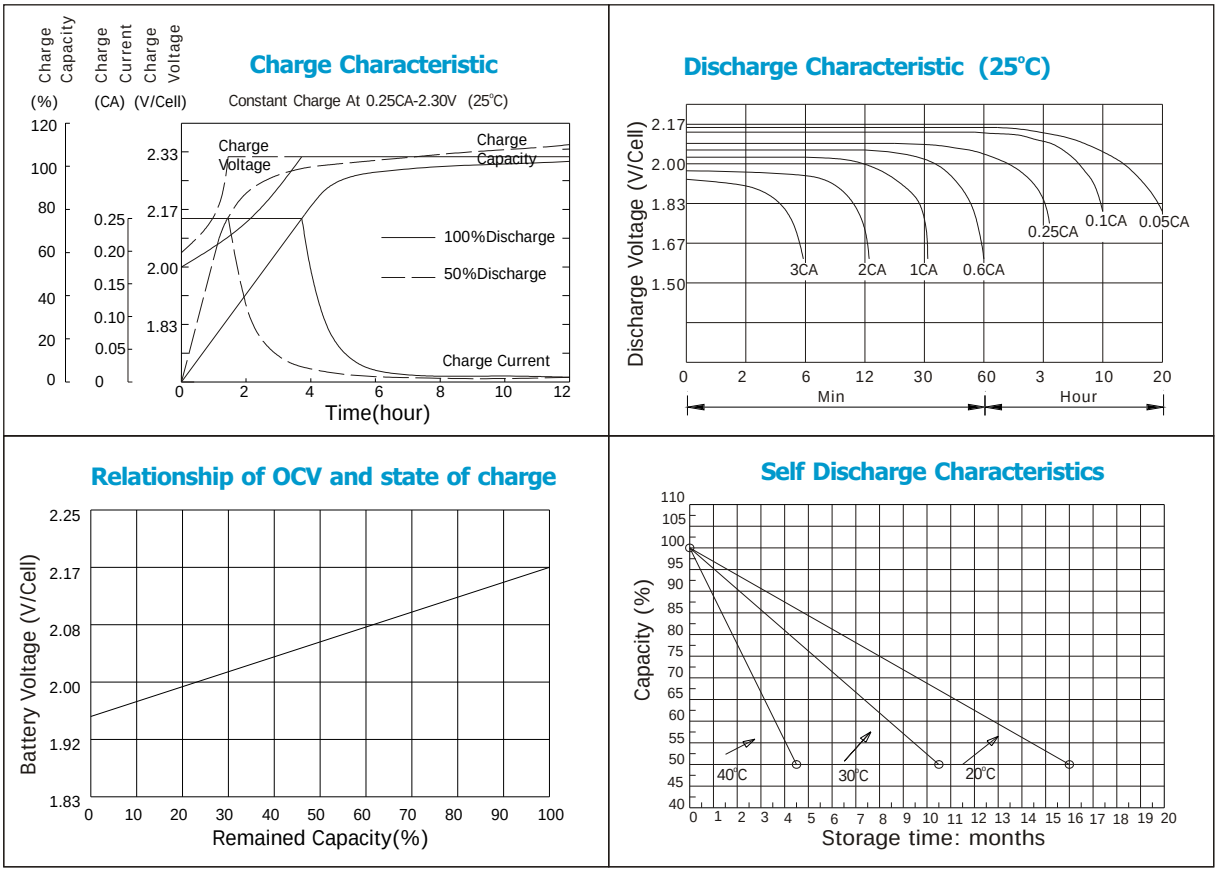
Component	Raw material
Positive	Lead dioxide
Negative	Lead
Container	ABS
Cover	ABS
Sealant	Epoxy Resin
Safety valve	EPDR
Terminal	Copper
Separator	AGM
Electrolyte	sulfuric acid







Battery Model	Solar 12-70			
Designed Floating Life	8 Years			
Capacity(25℃)	20HR(3.65A,1.75V)	10HR(7A,1.75V)	5HR(12A,1.75V)	1HR(45A,1.75V)
	73AH	70AH	60AH	45AH
Dimensions	Length	Width	Height	Total Height
	259mm(11.77inch)	168mm(6.62inch)	208mm(8.20inch)	212mm(8.35inch)
Approx. Weight	23Kg (50.72 lbs)			
Internal Resistance	Full charged at 25℃: 0.0057 Ohm			
Self Discharge	3% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25℃)	Cycle use		Float use	
	14.4-15V(-30mV/ ℃), max. Current: 17.5A		13.6-13.8V(-20mV/ ℃)	



Constant current discharge ratings-amperes at 25℃

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	245	168	123	73.5	46.2	19.1	13.4	7.42	3.69
1.67V	221	153	119	71.4	46.1	19.0	13.2	7.31	3.68
1.70V	209	148	115	70.0	46.0	19.0	13.2	7.25	3.68
1.75V	186	137	109	68.6	45.5	18.9	13.1	7.13	3.66
1.80V	168	127	104	66.5	44.9	18.8	13.0	7.01	3.53
1.85V	127	104	90	61.2	44.5	18.8	12.9	6.88	3.32

Constant power discharge ratings-watts at 25℃

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	404	279	217	139	91.0	36.7	25.6	14.8	7.38
1.67V	383	275	215	136	88.0	36.7	25.6	14.6	7.35
1.70V	358	268	211	132	85.7	36.7	25.6	14.5	7.35
1.75V	333	251	199	129	84.9	36.1	25.3	14.3	7.32
1.80V	299	233	187	125	83.4	35.6	24.9	14.0	7.06
1.85V	239	193	163	115	82.7	35.5	24.5	13.8	6.64

ISO9001

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