

Solar Series

BSB 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. BSB Solar series batteries is optimal for storage and conversion of photovoltaic energy and wind energy.

Application

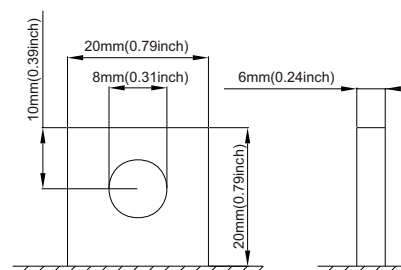
Photovoltaic system
Alternative Energy System
Electric Utility
Outdoor control Equipment
Railroad Utility

General Features

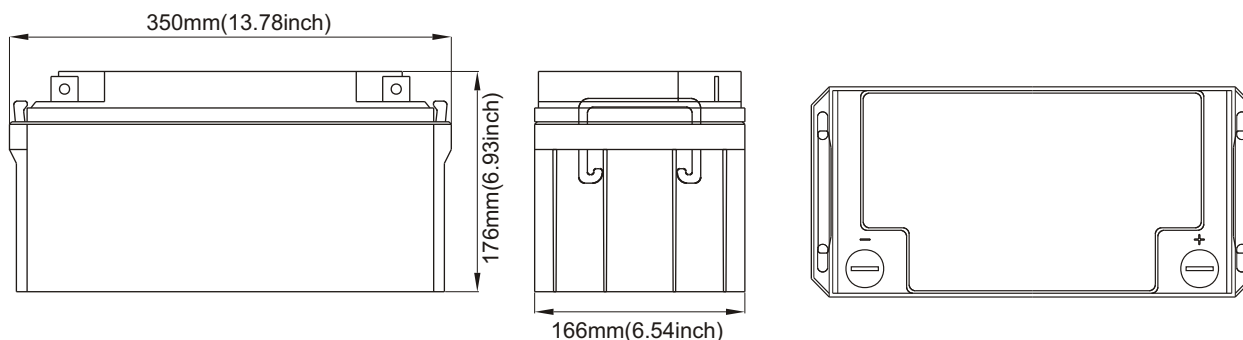
Sealed and maintenance free operation.
Non-Spillable construction design.
ABS containers and covers(UL94HB, UL94V-0) optional.
Safety valve installation for explosion proof.
High quality and high reliability.
Exceptional deep discharge recovery performance.
Low self discharge characteristic.
Flexibility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

Construction

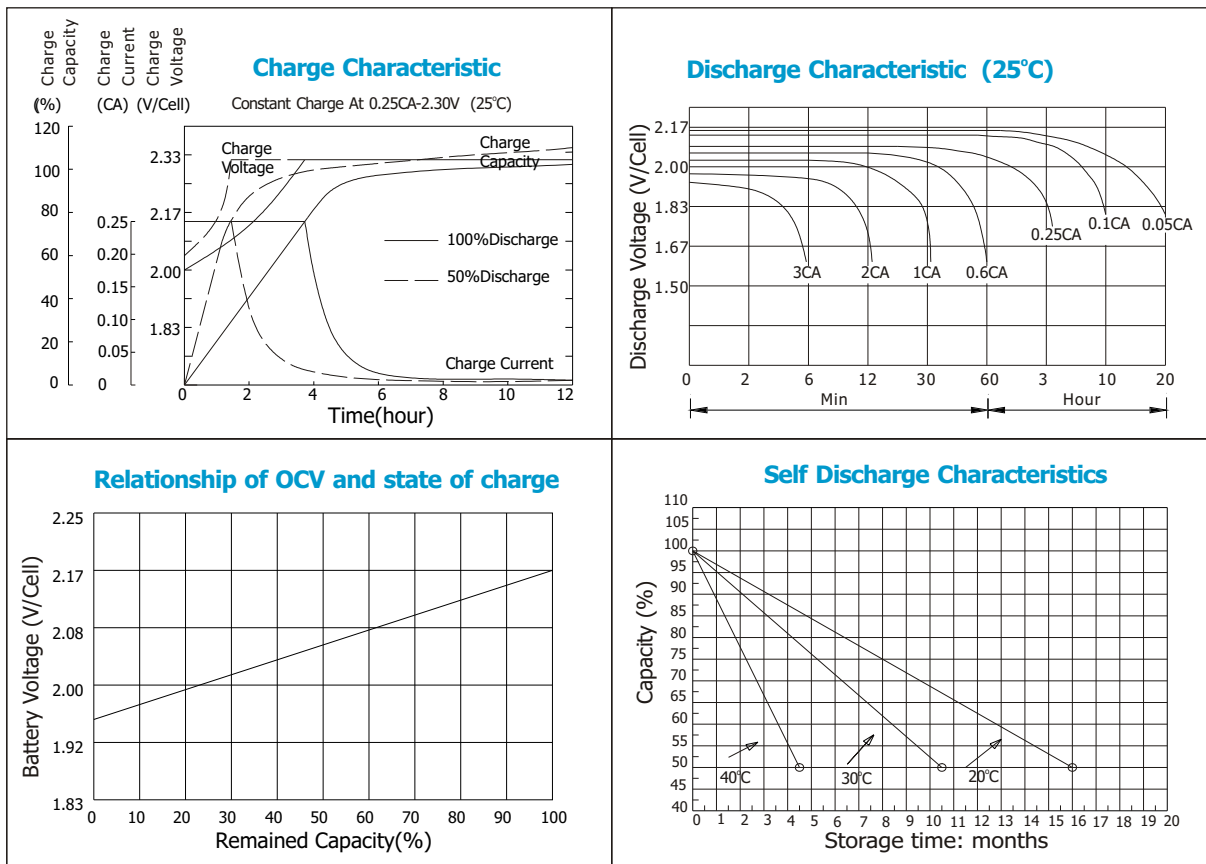
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	AGM
Cover	ABS	Electrolyte	sulfuric acid



Terminal Dimensions



Battery Model	Solar 12-65			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(3.3A,1.75V)	10HR(6.5A,1.75V)	5HR(11A,1.75V)	1HR(40A,1.75V)
	66AH	65AH	55AH	40AH
Dimensions	Length	Width	Height	Total Height
	350mm(13.78inch)	166mm(6.54inch)	176mm(6.93inch)	176mm(6.93inch)
Approx. Weight	21.6Kg (47.63 lbs)			
Internal Resistance	Full charged at 25°C: 0.006 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 16.25A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	228	156	114	68.3	42.9	17.7	12.4	6.89	3.43
1.67V	205	142	111	66.3	42.8	17.7	12.3	6.79	3.41
1.70V	194	137	107	65.0	42.7	17.7	12.3	6.74	3.41
1.75V	173	127	101	63.7	42.3	17.6	12.2	6.62	3.40
1.80V	156	118	96.2	61.8	41.7	17.5	12.1	6.51	3.28
1.85V	118	96.9	83.2	56.8	41.3	17.4	12.0	6.39	3.20

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	375	259	202	129	84.5	34.1	23.7	13.8	6.85
1.67V	356	255	200	126	81.7	34.1	23.7	13.6	6.83
1.70V	332	249	196	123	79.6	34.1	23.7	13.5	6.83
1.75V	309	233	185	120	78.8	33.5	23.5	13.2	6.80
1.80V	278	216	174	116	77.5	33.1	23.1	13.0	6.56
1.85V	222	179	151	107	76.8	33.0	22.8	12.8	6.41

