SB5-12L (12V5Ah)

AGM-Technology | Maintenance Free | 6-9 Years Life Expect. EUROBAT | Cycle Stability | -15°C to +50°C

Standard Type | Fire Alarm Systems | Security Systems | Recyclable



Applications

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Alarm and security system
- Communication power supply
- DC power supply

Certificates

Conform to
IEC60896-21&22

Specifications

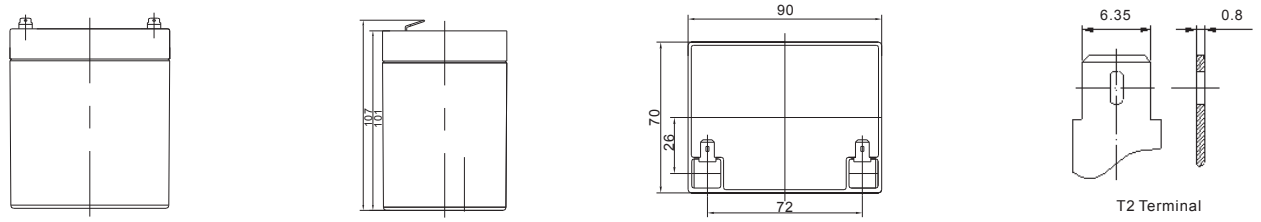
Nominal Voltage	12V	
Nominal Capacity	5Ah (C_{20}, 10.5V)	
Approx. Weight	1.6kg	
Terminal	T2	
Container Material	ABS UL94 HB	
Rated Capacity (20°C)	5.0Ah/0.250A, 20hr, 10.5V	
	4.5Ah/0.45A, 10hr, 10.5V	
	4.25Ah/0.85A, 5hr, 10.5V	
	3.75Ah/1.25A, 3hr, 10.5V	
	3.25Ah/3.25A, 1hr, 9.6V	
Max. Discharge Current	75A (5s)	
Internal Resistance / Impedance (1kHz)	Approx. 45mΩ	
Operating Temp. Range	Discharge:	-20~50°C
	Charge:	-10~50°C
	Storage:	-20~50°C

Nominal Oper. Temp. R.	20±3°C	
Float Charge	2.285V/cell ± 0,5 % @ 20°C	
	Charging Current: 0.1-0.2C	
	Temperature coefficient: -3mV/cell/°C	
Capacity affected by Temp.	40°C	103%
	25°C	100%
	0°C	86%
Self Discharge	SSB batteries may be stored for up to 6 months at 20°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Life Expectancy	6-9 years according to EUROBAT	

Dimensions

T2 Terminal

Unit: mm | Dimensions: 90 Length X 70 Width X 101 Height (107 Height incl. Terminal)



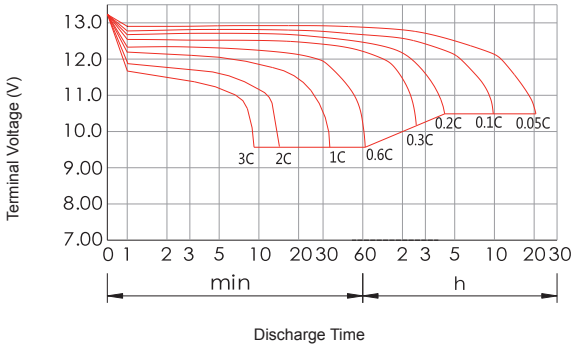
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	19.1	12.0	9.50	5.30	3.25	1.78	1.28	1.02	0.87	0.56	0.46	0.25
9.90V	18.0	11.6	9.27	5.19	3.20	1.77	1.27	1.01	0.86	0.56	0.46	0.25
10.2V	16.4	11.2	8.93	5.04	3.12	1.75	1.26	1.01	0.86	0.56	0.45	0.25
10.5V	15.2	10.7	8.63	4.91	3.06	1.72	1.25	1.00	0.85	0.56	0.45	0.25
10.8V	14.5	10.1	8.17	4.73	2.96	1.68	1.21	0.97	0.82	0.54	0.44	0.25

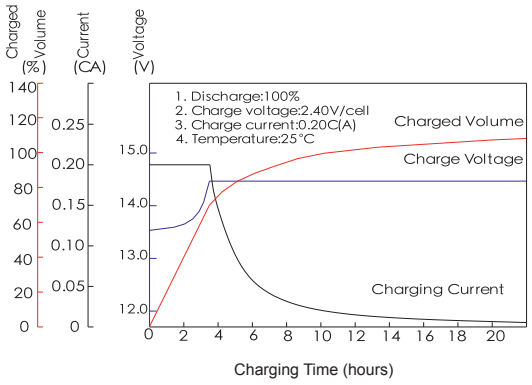
Constant Power Discharge (Watts/cell) at 20°C

F.V/TIME	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	30.17	22.50	18.00	14.13	10.12	8.27	6.27	3.47	2.52	2.02	1.73	1.12	0.94	0.51
1.65V/cell	29.50	21.83	17.67	13.87	9.92	8.13	6.18	3.45	2.52	2.02	1.72	1.12	0.94	0.51
1.70V/cell	29.00	21.00	17.00	13.37	9.62	7.90	6.02	3.42	2.50	2.00	1.70	1.11	0.94	0.50
1.75V/cell	28.00	20.00	16.38	12.95	9.38	7.72	5.90	3.37	2.48	1.98	1.68	1.10	0.93	0.50
1.80V/cell	26.83	19.00	15.52	12.33	9.03	7.45	5.72	3.28	2.40	1.93	1.64	1.07	0.91	0.49

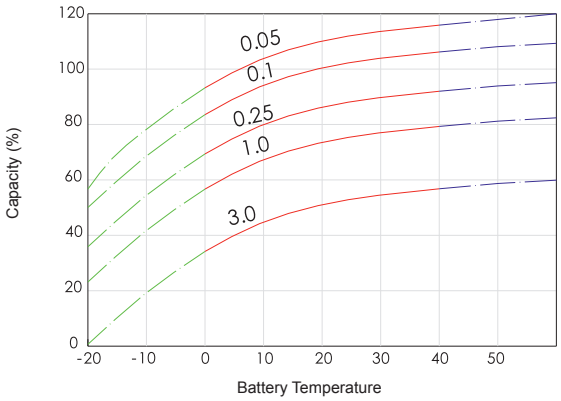
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

