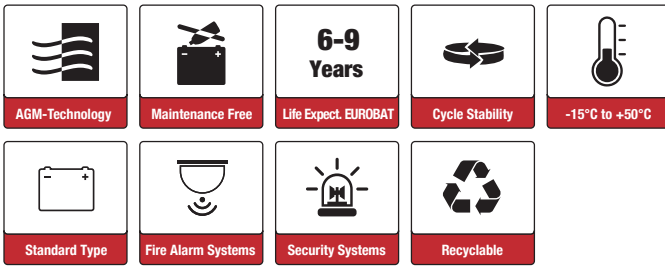




SB2.3-12 (12V2.3Ah)



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



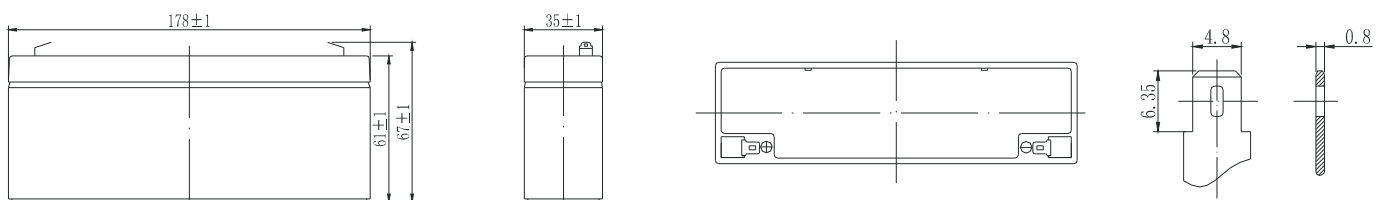
Specifications

Nominal Voltage	12V	Nominal Oper. Temp. R.	20±3°C
Nominal Capacity	2.3Ah (C ₂₀ 10.5V)	Cycle Use	Initial Charging Current less than 0.69A. Voltage 14.55V ±1% at 20°C. Temperature Coefficient -30mV/°C.
Approx. Weight	0.92kg	Standby Use	Initial Charging Current less than 0.69A. Voltage 13.65V ±1% at 20°C. Temperature Coefficient -20mV/°C.
Terminal	T1	Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
Container Material	ABS UL94 HB	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.
Rated Capacity (20°C)	2.3Ah/0.115A, 20hr, 10.5V 2.1Ah/0.21A, 10hr, 10.5V 1.95Ah/0.39A, 5hr, 10.5V 1.74Ah/0.58A, 3hr, 10.5V 1.50Ah/1.50A, 1hr, 9.6V	Life Expectancy	6-9 years according to EUROBAT
Max. Discharge Current	34.5A (5s)		
Internal Resistance / Impedance (1kHz)	Approx. 60mΩ		
Operating Temp. Range	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C		

Dimensions

■ T1 Terminal

Unit: mm | Dimensions: 178 Length X 35 Width X 61 Height (67 Height incl. Terminal)



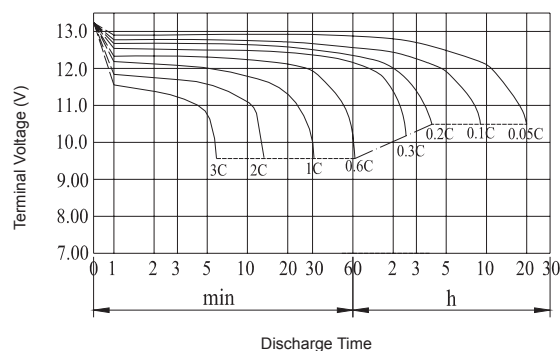
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	8.74	5.52	4.37	2.44	1.5	0.82	0.59	0.47	0.4	0.26	0.22	0.117
9.90V	8.48	5.35	4.27	2.39	1.47	0.81	0.58	0.47	0.4	0.26	0.22	0.116
10.2V	8.13	5.13	4.11	2.32	1.44	0.81	0.58	0.46	0.39	0.25	0.22	0.116
10.5V	7.78	4.91	3.97	2.26	1.41	0.79	0.58	0.46	0.39	0.25	0.21	0.115
10.8V	7.34	4.64	3.76	2.18	1.36	0.77	0.56	0.45	0.38	0.24	0.21	0.113

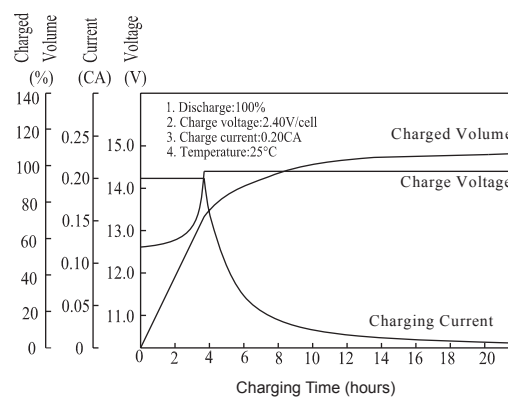
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	97.5	62.3	49.8	27.9	17.3	9.56	6.97	5.59	4.76	3.10	2.61	1.40
9.90V	94.6	60.4	48.6	27.4	17.1	9.50	6.93	5.56	4.73	3.09	2.60	1.40
10.2V	90.7	57.9	46.8	26.5	16.6	9.42	6.88	5.52	4.70	3.05	2.58	1.39
10.5V	86.8	55.4	45.2	25.9	16.3	9.28	6.83	5.48	4.67	3.03	2.57	1.38
10.8V	81.9	52.3	42.8	24.9	15.8	9.04	6.63	5.31	4.53	2.95	2.52	1.35

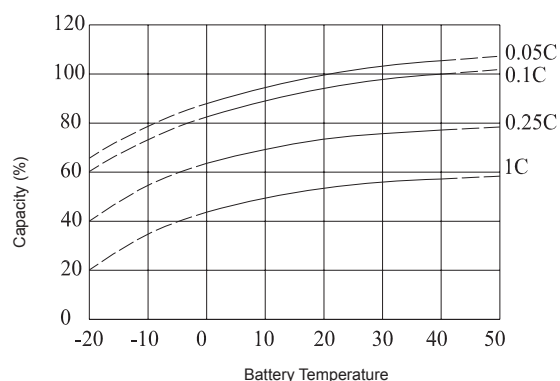
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

