SBL75-12i(sh) (12V82Ah)

AGM-Technology | Maintenance Free | 10-12 Years Life Expect. EUROBAT | Cycle Stability | -15°C to +50°C

Standard Type | UPS | Emergency Lighting | 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

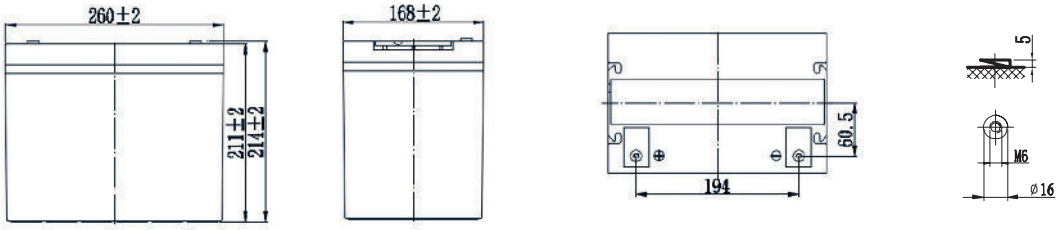
Nominal Voltage	12V
Nominal Capacity	82.0Ah (C_{10}, 10.8V)
Approx. Weight	23kg
Terminal	M6
Container Material	ABS UL94 HB
Rated Capacity (20°C)	85.2Ah/4.26A, 20hr, 10.8V
	82.0Ah/8.2A, 10hr, 10.8V
	77.0Ah/9.63A, 8hr, 10.5V
	73.5Ah/14.7A, 5hr, 10.5V
	69.6Ah/23.2A, 3hr, 10.5V
	62.7Ah/62.7A, 1hr, 9.6V
Max. Discharge Current	800A ((5 sec.)
Internal Resistance / Impedance (1kHz)	Approx. 6mΩ
Nominal Oper. Temp. R.	20±2°C

Operating Temp. Range	Discharge:	-15~50°C
	Charge:	-15~45°C
	Storage:	5~30°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	10-12 years according to EUROBAT	

Dimensions

M6 Terminal

Unit: mm | Dimensions: 260±2 Length X 168±2 Width X 211±2 Height (214±2 Height incl. Terminal)



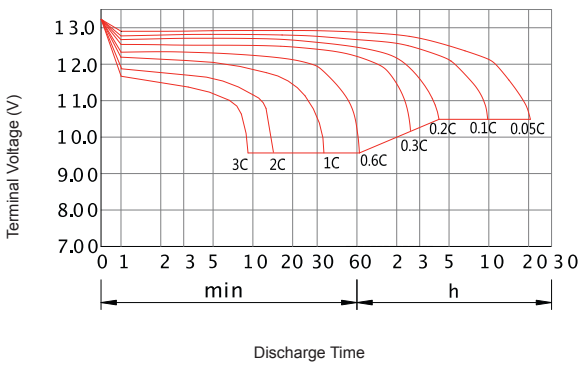
Constant Current Discharge (Amperes) at 20°C

End Point	10min	15min	30min	1h	1.5h	3h	5h	8h	10h	20h
1.60V/cell	175.72	145.36	97.52	62.7	44.9	24.5	15.6	9.93	8.39	4.37
1.65V/cell	174.8	143.52	96.6	62.1	44.4	24.1	15.3	9.88	8.36	4.34
1.70V/cell	172.04	142.6	95.68	61.3	43.9	23.3	15.1	9.75	8.31	4.30
1.75V/cell	168.36	138.92	93.84	60.0	42.9	23.2	14.7	9.63	8.25	4.28
1.80V/cell	158.24	130.64	87.86	56.4	40.4	22.3	14.5	9.5	8.20	4.26

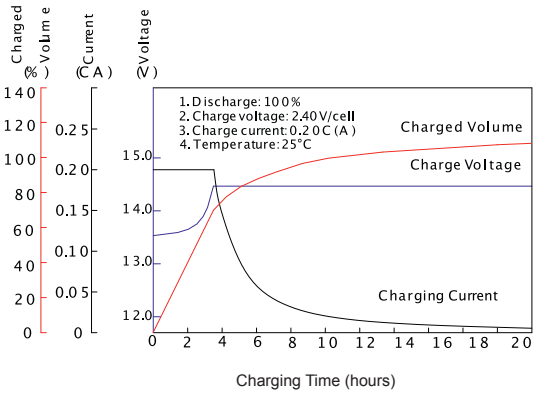
Constant Power Discharge (Watts/cell) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	345.0	281.52	184.0	138.92	121.0	87.8	59.1	43.2	29.85	15.66
1.65V/cell	341.32	278.76	182.16	138.0	120.0	86.9	57.8	42.1	29.63	15.54
1.70V/cell	337.64	276.0	179.4	136.16	119.0	85.8	55.4	41.8	28.97	15.2
1.75V/cell	238.28	269.56	175.72	133.4	116.0	84.0	53.4	41.2	28.97	15.17
1.80V/cell	310.04	253.92	165.6	125.12	109.0	79.0	51.9	40.9	28.75	15.09

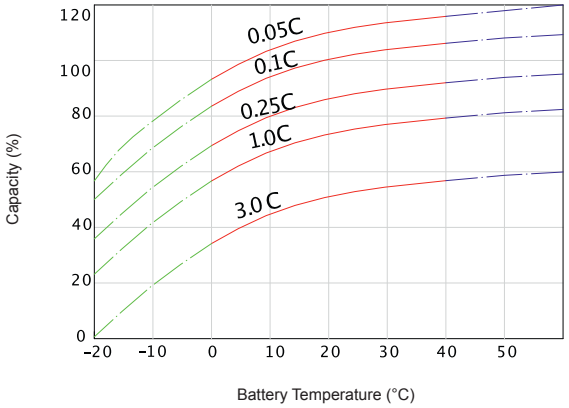
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

