



SBL65-12i (12V65Ah)



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

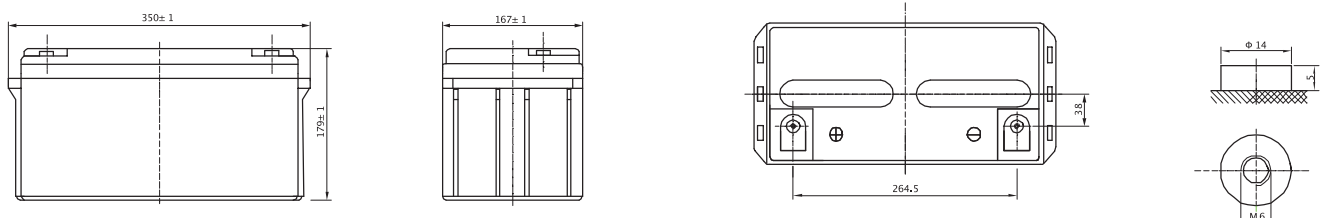
Specifications

Nominal Voltage	12V	Nominal Oper. Temp. R.	20±3°C
Nominal Capacity	65.0Ah (C ₁₀ , 10.8V)	Operating Temp. Range	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
Approx. Weight	20.4kg	Standby Use	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient 3mV/cell/°C.
Terminal	M6	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)	68Ah/3.40A, 20hr, 10.8V 65.0Ah/6.5A, 10hr, 10.8V 61.2Ah/7.65A, 8hr, 10.5V 55.0Ah/11A, 5hr, 10.5V 51.6Ah/17.2A, 3hr, 10.5V 45.1Ah/45.1A, 1hr, 9.6V	Life Expectancy	10-12 years according to EUROBAT
Max. Discharge Current	650A (5s)		
Internal Resistance / Impedance (1kHz)	Approx. 6.8mΩ		

Dimensions

■ M6 Terminal

Unit: mm | Dimensions: 350 Length X 167 Width X 179 Height (179 Height incl. Terminal)



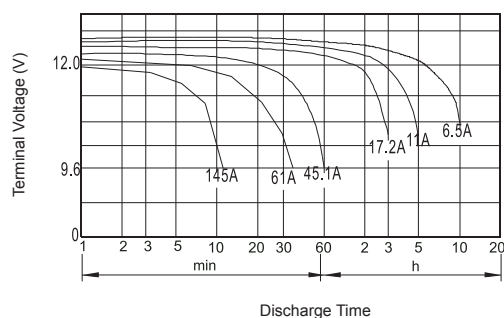
Constant Current Discharge (Amperes) at 20°C

End Point	5min	10min	15min	30min	1h	1.5h	3h	5h	8h	10h	20h
1.60V/cell	212	151	126	75.4	45.1	33.7	18.4	11.8	7.98	6.70	3.48
1.65V/cell	201	144	121	73.3	44.0	32.9	18.0	11.6	7.84	6.58	3.46
1.70V/cell	189	137	115	71.3	43.0	32.2	17.6	11.3	7.75	6.56	3.44
1.75V/cell	177	129	109	69.2	41.9	31.4	17.2	11.0	7.65	6.53	3.42
1.80V/cell	164	120	102	66.9	41.0	30.7	16.9	10.7	7.56	6.50	3.40

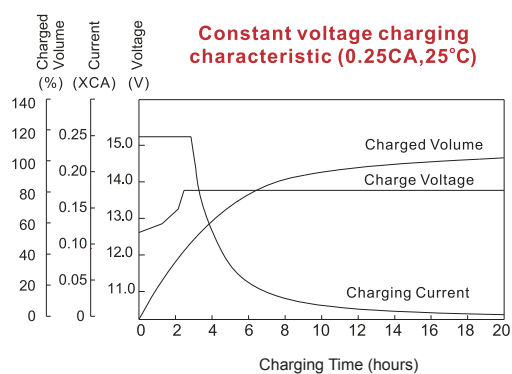
Constant Power Discharge (Watts/cell) at 20°C

End Point	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	378	275	207	129	99.1	81.8	61.4	47.5	33.8	22.5	11.95
1.65V/cell	356	261	203	128	97.6	80.0	60.1	46.6	33.2	22.3	11.84
1.70V/cell	335	246	200	127	95.7	78.3	58.8	45.6	32.5	22.0	11.68
1.75V/cell	314	231	196	124	93.6	76.5	57.4	44.5	31.8	21.7	11.52
1.80V/cell	302	215	187	122	91.3	75.7	56.5	43.3	31.1	21.4	11.36

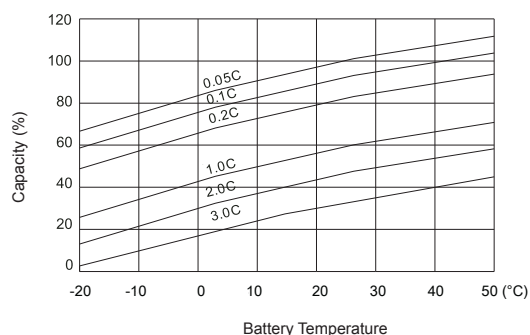
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

