



SBL100-12i (12V100Ah)



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

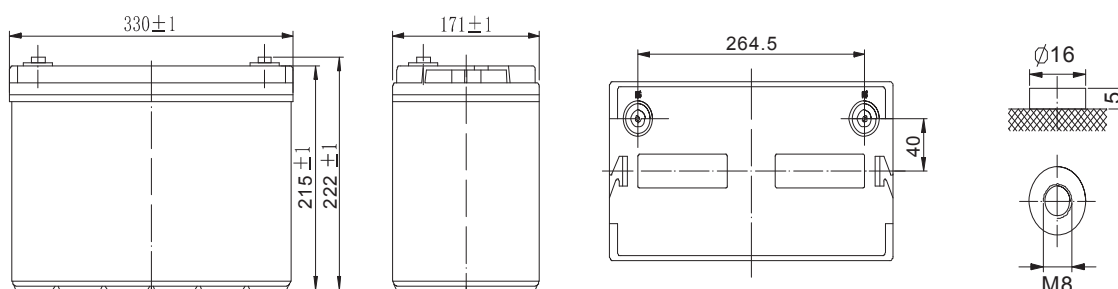
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -20~50°C
Nominal Capacity	100.0Ah (C ₁₀ , 10.8V)		Charge: -10~50°C
Approx. Weight	29kg		Storage: -20~50°C
Terminal	M8	Float Charge	2.285V/cell ± 0,5 % @ 20°C
Container Material	ABS UL94 HB		Charging Current: 0.1-0.2C
Rated Capacity (20°C)	106Ah/5.30A, 20hr, 10.8V		Temperature coefficient: -3mV/cell/°C
	100.0Ah/10.0A, 10hr, 10.8V	Capacity affected by Temp.	40°C 103%
	94.96Ah/11.87A, 8hr, 10.5V		25°C 100%
	83.0Ah/16.6A, 5hr, 10.5V		0°C 86%
	80.7Ah/26.9A/3hr/10.5V	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.
Max. Discharge Current	900A (5s)	Life Expectancy	10-12 years according to EUROBAT
Internal Resistance / Impedance (1kHz)	Approx. 5.7mΩ		
Nominal Oper. Temp. R.	20±3°C		

Dimensions

■ M8 Terminal

Unit: mm | Dimensions: 330 Length X 171 Width X 215 Height (222 Height incl. Terminal)



Specifications subject to change without notice.

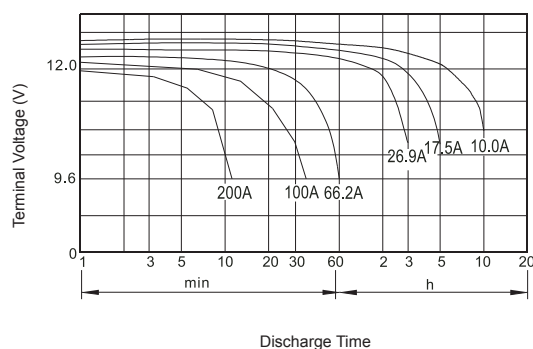
Constant Current Discharge (Amperes) at 20°C

End Point	5min	10min	15min	30min	1h	1.5h	2h	3h	5h	6h	8h	10h	20h
1.60V/cell	-	229	185	108	66.2	45.6	35.2	27.9	17.6	15.6	12.54	10.8	5.5
1.65V/cell	-	221	178	104	62.5	45.1	34.5	27.7	17.3	15.4	12.35	10.6	5.45
1.70V/cell	-	200	164	96	61.5	44.4	33.8	27.2	17	15.1	12.11	10.4	5.4
1.75V/cell	-	187	153	93	60.5	43.7	33.1	26.9	16.6	14.8	11.87	10.2	5.35
1.80V/cell	-	175	143	91	57.4	42.5	32.5	25.3	16.3	14.5	11.63	10	5.3

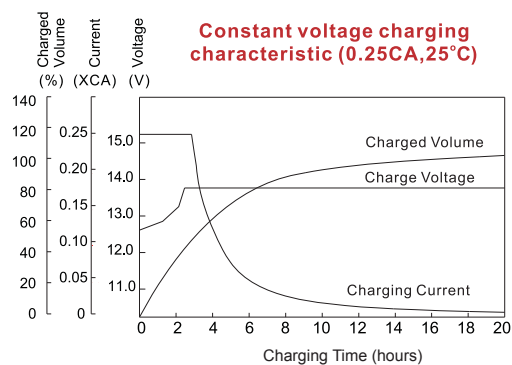
Constant Power Discharge (Watts/cell) at 20°C

End Point	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	20h
1.60V/cell	199	150	124	88.9	70.6	52.8	35.8	23.6	19.6	10
1.65V/cell	188	146	118	87.4	67.8	51.2	35.4	22	19.30	9.90
1.70V/cell	183	137	114	86.3	66.8	50.9	35	21.5	19.00	9.80
1.75V/cell	177	134	111	83.8	64.5	49.1	34.4	20.8	18.70	9.70
1.80V/cell	171	131	104	82.1	62.5	48.5	34	19.8	18.50	9.60

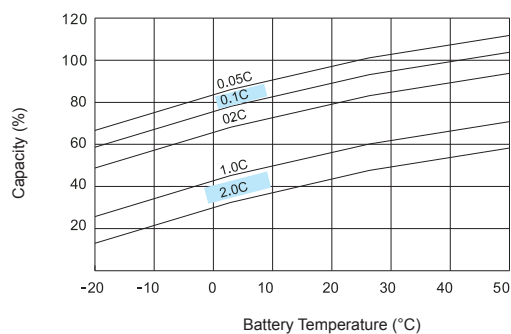
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

