



SBL100-12HR (12V2726W)



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	85.6Ah (C ₁₀ , 9.6V)
Approx. Weight	29.0kg
Terminal	M8
Container Material	ABS UL94 HB
Nominal Power	5 min 3371.4W
(20°C/ 9.6V/Block)	10 min 2725.8W
	15 min 2150.4W
Nominal Power	5 min 561.9W
(20°C/ 1.6V/Cell)	10 min 454.3W
	15 min 358.4W
Max. Discharge Current	900A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 5.5mΩ

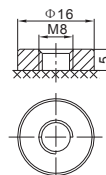
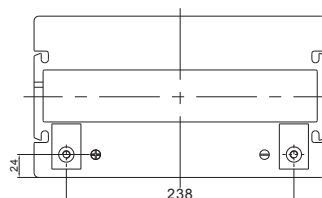
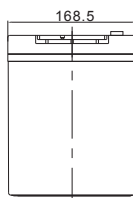
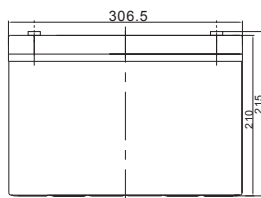
Nominal Oper. Temp. R.	20±3°C
Operating Temp. Range	Discharge: -20~50°C
	Charge: -10~50°C
	Storage: -20~50°C
Standby Use	No limit on Initial Charging Current.
	Voltage 2.295 V/cell at 20° C.
	Temperature Coefficient -20mV/°C.
Capacity affected by Temp.	40°C 103%
	25°C 100%
	0°C 86%
Self Discharge	SSB 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	>12 years according to EUROBAT



Dimensions

■ M8 Terminal

Unit: mm | Dimensions: 306.5 Length X 168.5Width X 210 Height (215 Height incl. Terminal)



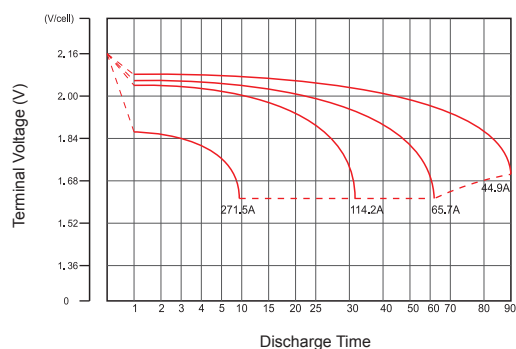
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	305.8	267.2	241.5	188.0	153.1	112.9	65.3	46.9	22.64	15.52	10.37	8.56
10.0V	277.5	245.0	223.2	175.4	143.9	106.8	62.3	45.0	22.34	15.34	10.27	8.48
10.2V	265.7	235.5	215.2	170.0	139.9	104.2	61.1	44.1	21.94	15.10	10.13	8.37
10.5V	245.3	219.4	201.7	160.8	132.9	99.8	58.9	42.7	21.41	14.79	9.94	8.23
10.8V	224.8	203.2	188.3	152.2	126.6	95.6	56.8	41.3	20.71	14.37	9.70	8.04
11.1V	192.9	173.1	159.5	130.9	109.9	84.6	51.3	37.7	19.79	13.82	9.37	7.79

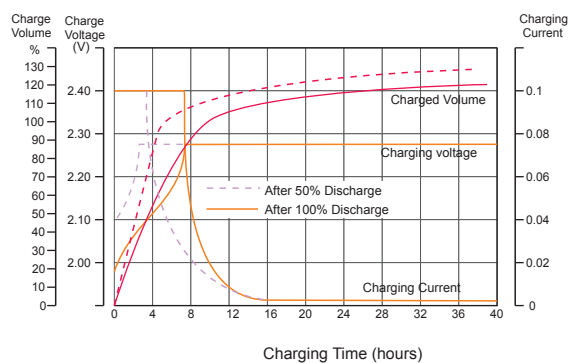
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	3371.4	2985.6	2725.8	2150.4	1765.8	1315.8	736.2	532.2	263.34	182.23	123.36	102.52
10.0V	3138.0	2801.4	2572.2	2040.0	1685.4	1261.8	708.6	514.8	261.43	181.05	122.50	101.76
10.2V	3034.8	2717.4	2500.8	1992.6	1648.8	1236.6	696.6	507.0	257.38	178.60	120.99	100.53
10.5V	2847.6	2568.0	2374.8	1906.8	1582.8	1195.8	677.4	493.8	252.22	175.45	119.00	98.91
10.8V	2650.8	2410.2	2242.8	1822.2	1522.8	1153.8	657.6	480.0	244.92	171.07	116.33	96.73
11.1V	2308.8	2082.0	1925.4	1584.0	1334.4	1029.0	598.2	441.6	235.16	165.08	112.69	93.84

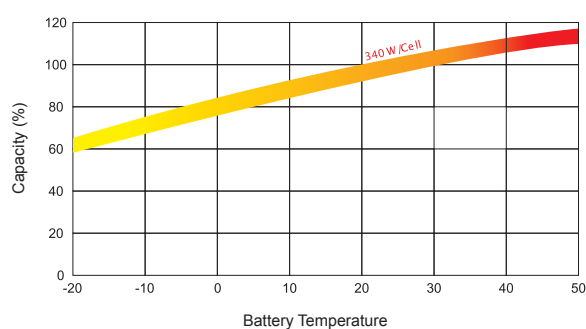
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

