



SBL151-12HR (12V3956W)



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



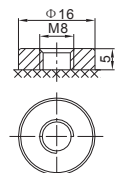
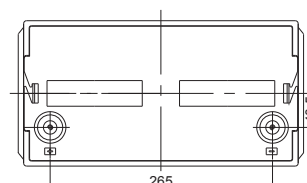
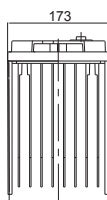
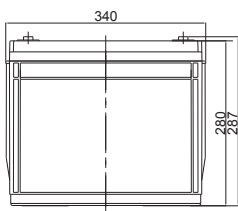
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge:	-20~50°C
Nominal Capacity	146.2Ah (C ₁₀ , 9.6V)		Charge:	-10~50°C
Approx. Weight	44.0kg		Storage:	-20~50°C
Terminal	M8	Cycle Use	Initial Charging Current less than 43.5A.	
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.	
Nominal Power	5 min 4698.0W		Temperature Coefficient -30mV/°C.	
(20°C/ 9.6V/Block)	10 min 3955.8W	Standby Use	No limit on Initial Charging Current.	
	15 min 3289.2W		Voltage 13.7V +0.1V at 20°C.	
Nominal Power	5 min 783W		Temperature Coefficient -20mV/°C.	
(20°C/ 1.6V/Cell)	10 min 659.3W	Capacity affected by Temp.	40°C 103%	
	15 min 548.2W		25°C 100%	
Max. Discharge Current	1450A (5s)		0°C 86%	
Internal Resistance / Impedance (1kHz)	Approx. 4.5mΩ	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.	
Nominal Oper. Temp. R.	20±3°C	Life Expectancy	>12 years according to EUROBAT	

Dimensions

■ M8 Terminal

Unit: mm | Dimensions: 340 Length X 173 Width X 280 Height (287 Height incl. Terminal)



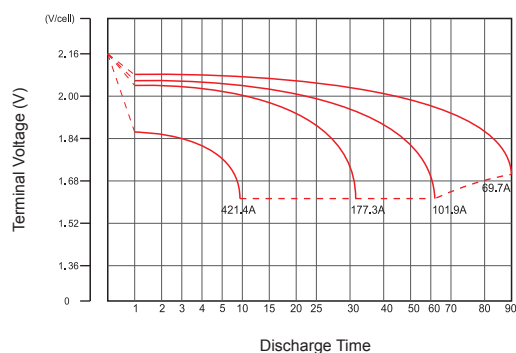
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	426.1	378.6	350.5	287.6	234.2	172.6	99.9	71.7	38.64	26.49	17.70	14.62
10.0V	386.7	347.1	324.0	268.2	220.1	163.3	95.3	68.8	38.13	26.19	17.53	14.48
10.2V	370.2	333.7	312.3	260.0	213.9	159.4	93.4	67.4	37.44	25.78	17.29	14.29
10.5V	341.8	310.8	292.8	246.0	203.2	152.6	90.1	65.3	36.54	25.24	16.97	14.05
10.8V	313.2	287.9	273.3	232.8	193.7	146.2	86.9	63.2	35.34	24.52	16.55	13.72
11.1V	268.8	245.2	231.5	200.1	168.1	129.3	78.5	57.6	33.78	23.58	16.00	13.29

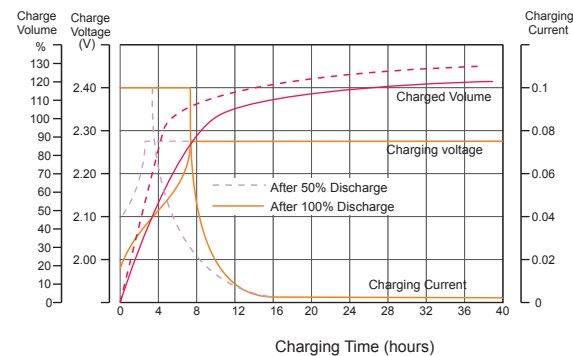
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	4698.0	4230.0	3955.8	3289.2	2700.0	2012.4	1125.6	814.2	449.47	311.03	210.56	174.98
10.0V	4372.2	3968.4	3733.2	3120.0	2577.0	1929.6	1083.6	787.2	446.22	309.02	209.08	173.68
10.2V	4228.8	3849.6	3628.8	3048.0	2521.8	1890.6	1065.6	775.8	439.31	304.84	206.52	171.58
10.5V	3968.4	3637.8	3447.0	2916.0	2420.4	1828.2	1036.2	754.8	430.48	299.46	203.11	168.83
10.8V	3693.6	3414.6	3255.0	2786.4	2329.2	1764.0	1005.6	734.4	418.04	291.99	198.54	165.10
11.1V	3217.2	2949.0	2794.8	2422.2	2040.6	1573.8	914.4	675.6	401.37	281.75	192.35	160.16

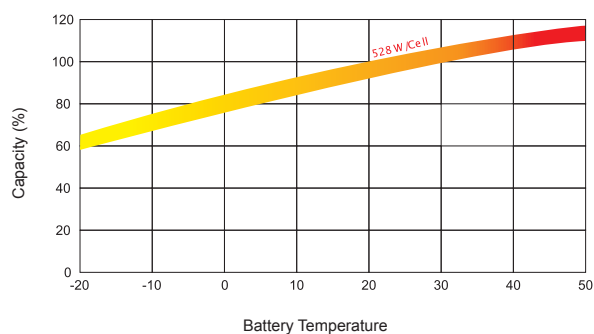
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

