



SBL66-12HR (12V1636W)



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

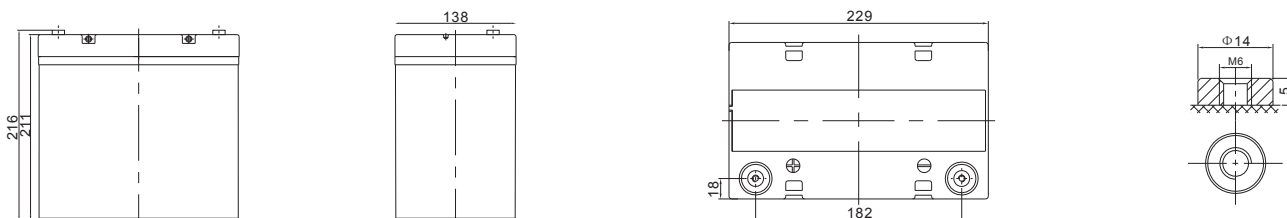


Nominal Voltage	12V	Operating Temp. Range	Discharge:	-20~50°C
Nominal Capacity	55.4Ah (C ₁₀ , 9.6V)		Charge:	-10~50°C
Approx. Weight	16.5kg		Storage:	-20~50°C
Terminal	M6	Cycle Use	Initial Charging Current less than 16.5A.	
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.	
Nominal Power	5 min 2203.2W		Temperature Coefficient -30mV/°C.	
	10 min 1636.2W	Standby Use	No limit on Initial Charging Current.	
	15 min 1264.8W		Voltage 13.7V +0.1V at 20°C.	
Nominal Power	5 min 367.2W		Temperature Coefficient -20mV/°C.	
	10 min 272.7W	Capacity affected by Temp.	40°C 103%	
	15 min 210.8W		25°C 100%	
Max. Discharge Current	550A (5s)		0°C 86%	
Internal Resistance / Impedance (1kHz)	Approx. 7.0mΩ	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

■ M6 Terminal

Unit: mm | Dimensions: 229 Length X 138 Width X 211 Height (216 Height incl. Terminal)



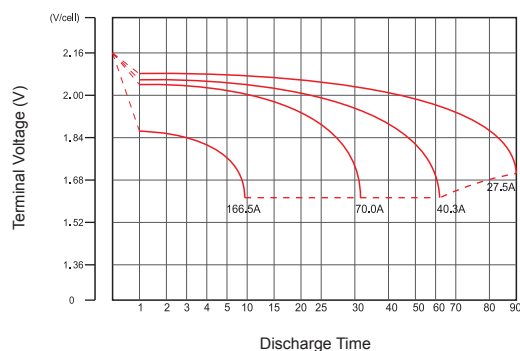
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	199.8	165.4	145.0	110.6	90.1	66.4	38.4	27.6	14.66	10.05	6.71	5.54
10.0V	181.4	151.7	134.0	103.1	84.6	62.8	36.6	26.4	14.46	9.93	6.65	5.49
10.2V	173.6	145.8	129.2	100.0	82.3	61.3	35.9	25.9	14.20	9.78	6.56	5.42
10.5V	160.3	135.8	121.1	94.6	78.2	58.7	34.7	25.1	13.86	9.57	6.44	5.33
10.8V	146.9	125.8	113.0	89.5	74.5	56.2	33.4	24.3	13.41	9.30	6.28	5.20
11.1V	126.1	107.2	95.7	77.0	64.6	49.7	30.2	22.2	12.81	8.95	6.07	5.04

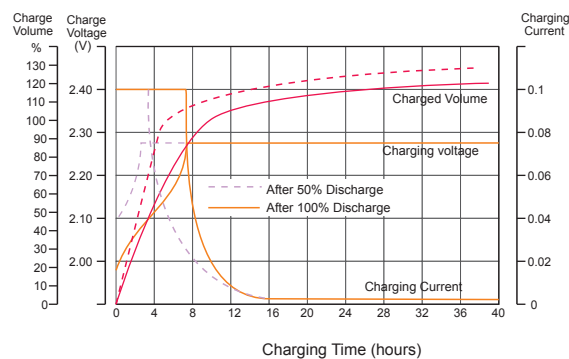
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	2203.2	1848.6	1636.2	1264.8	1038.6	774.0	432.6	313.2	170.49	117.98	79.87	66.37
10.0V	2050.8	1734.0	1543.8	1200.0	991.2	742.2	416.4	302.4	169.25	117.21	79.31	65.88
10.2V	1983.6	1682.4	1500.6	1172.4	969.6	727.2	409.8	298.2	166.63	115.63	78.33	65.08
10.5V	1861.2	1590.0	1425.6	1121.4	930.6	703.2	398.4	290.4	163.29	113.59	77.04	64.04
10.8V	1732.2	1492.2	1345.8	1071.6	895.8	678.6	386.4	282.6	158.57	110.76	75.31	62.62
11.1V	1509.0	1288.8	1155.6	931.2	784.8	605.4	351.6	259.8	152.24	106.87	72.95	60.75

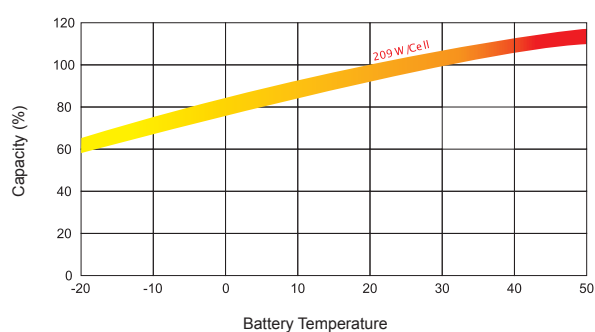
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

