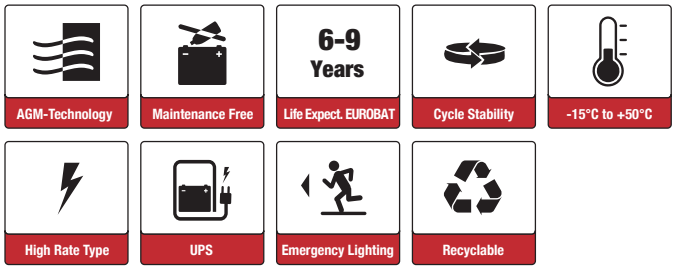
SBH200-12 (12V185W)



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

ISO 9001 Conform to IEC60896-21&22

Specifications

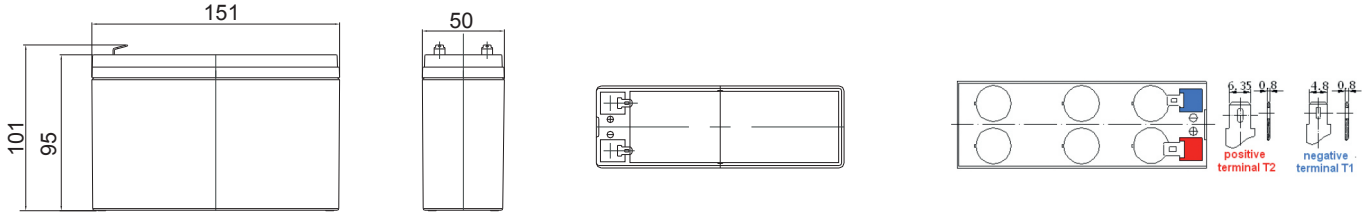
Nominal Voltage	12V	
Nominal Capacity	4.6Ah (C_{10}, 9.6V)	
	5.0Ah (C_{20}, 9.6V)	
Approx. Weight	1.45kg	
Terminal	T1/T2	
Container Material	ABS UL94 HB	
Nominal Power	5 min	247.20W
(20°C / 9.6V/Block)	10 min	170.52W
	15 min	127.02W
Nominal Power	5 min	41.20W
(20°C / 1.6V/Cell)	10 min	28.42W
	15 min	21.17W
Max. Discharge Current	50A (5s)	
Internal Resistance / Impedance (1kHz)	Approx. 33mΩ	
Nominal Oper. Temp. R.	20±3°C	

Operating Temp. Range	Discharge:	-15~50°C
	Charge:	0-40°C
	Storage:	-15~40°C
Cycle Use	Initial Charging Current less than 1.5A.	
	Voltage 14.7V +-0.1V at 20°C.	
	Temperature Coefficient -30mV/°C.	
Standby Use	No limit on Initial Charging Current.	
	Voltage 13.7V +-0.1V 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	6-9 years according to EUROBAT	

Dimensions

T1/T2 Terminal

Unit: mm | Dimensions: 151 Length X 50 Width X 95 Height (101 Height incl. Terminal)



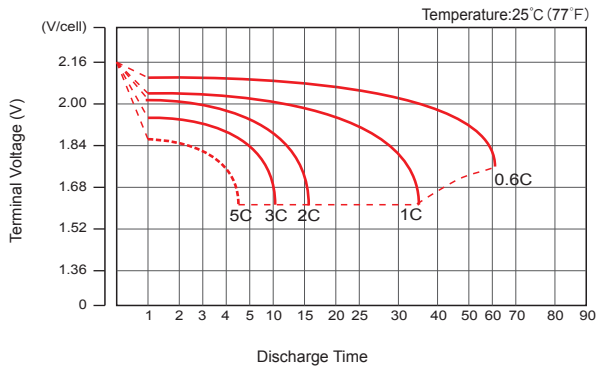
Constant Current Discharge (Amperes) at 20°C

Ampere 20°C	3min	4min	5min	6min	8min	10min	15min	20min	30min	60min	90min
1.60	34.22	31.72	28.15	24.96	20.18	16.99	12.45	10.03	7.39	4.22	2.97
1.67	36.10	30.75	26.88	23.94	19.74	16.87	12.50	10.00	7.24	4.09	2.92
1.70	34.10	29.29	25.74	23.01	19.07	16.35	12.16	9.75	7.05	3.98	2.83
1.75	30.81	27.10	23.93	21.42	17.83	15.40	11.70	9.53	6.97	3.83	2.71
1.80	27.71	24.23	21.59	19.52	16.45	14.28	10.84	8.80	6.45	3.67	2.61

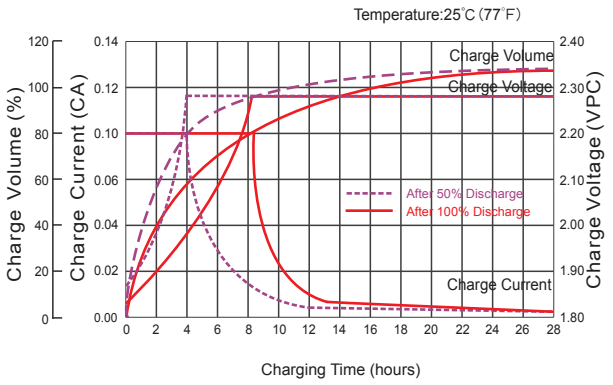
Constant Power Discharge (Watts/cell) at 20°C

Watt	3min	4min	5min	6min	8min	10min	15min	20min	30min	60min	90min
1.60	61.49	57.01	50.76	45.17	36.38	30.76	22.76	18.46	13.65	7.91	5.63
1.67	65.68	55.96	49.15	43.98	36.09	30.99	23.08	18.63	13.59	7.74	5.58
1.70	62.63	53.77	47.44	42.55	35.15	30.23	22.67	18.25	13.26	7.58	5.43
1.75	57.12	50.23	44.59	40.10	33.22	28.82	22.02	18.05	13.26	7.35	5.21
1.80	52.08	45.52	40.72	36.94	31.03	27.02	20.52	16.80	12.41	7.11	5.06

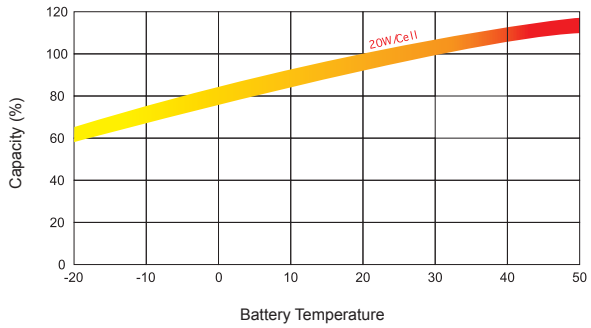
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life