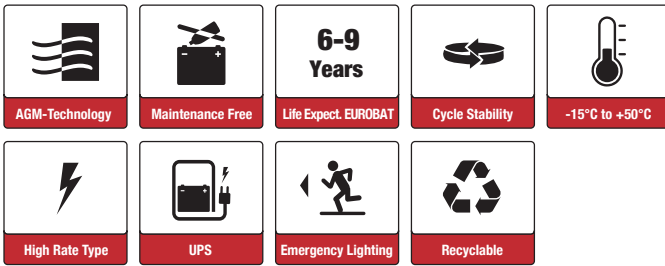




SBH200-12 (12V185W)



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

Conform to
IEC60896-21&22

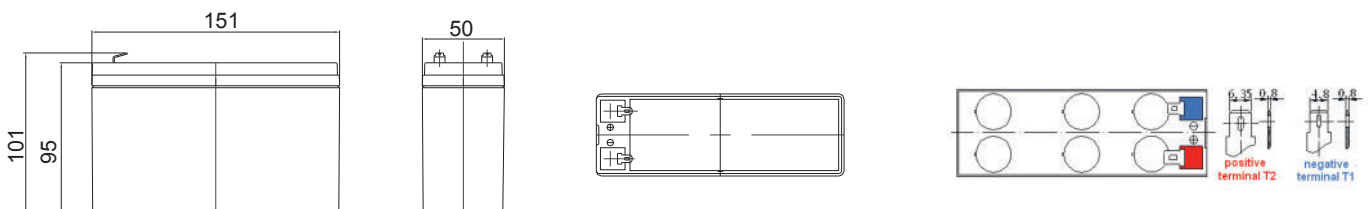
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -15~50°C
Nominal Capacity	4.6Ah (C ₁₀ , 9.6V) 5.0Ah (C ₂₀ , 9.6V)		Charge: 0~40°C
Approx. Weight	1.45kg		Storage: -15~40°C
Terminal	T1/T2	Cycle Use	Initial Charging Current less than 1.5A. Voltage 14.7V +0.1V at 20°C. Temperature Coefficient -30mV/°C.
Container Material	ABS UL94 HB	Standby Use	No limit on Initial Charging Current. Voltage 13.7V +0.1V at 20°C. Temperature Coefficient -20mV/°C.
Nominal Power	5 min 247.20W (20°C / 9.6V/Block) 10 min 170.52W 15 min 127.02W	Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
Nominal Power	5 min 41.20W (20°C / 1.6V/Cell) 10 min 28.42W 15 min 21.17W	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	50A (5s)	Life Expectancy	6-9 years according to EUROBAT
Internal Resistance / Impedance (1kHz)	Approx. 33mΩ		
Nominal Oper. Temp. R.	20±3°C		

Dimensions

■ T1/T2 Terminal

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



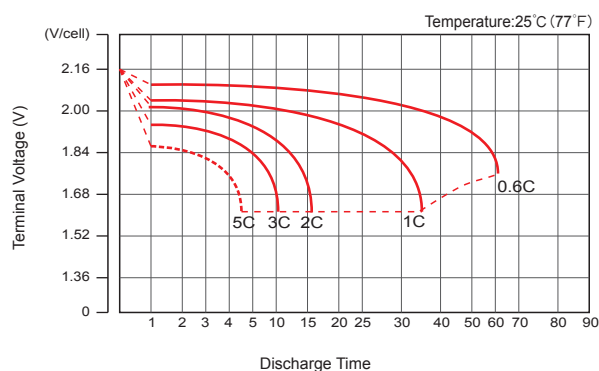
Constant Current Discharge (Amperes) at 20°C

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

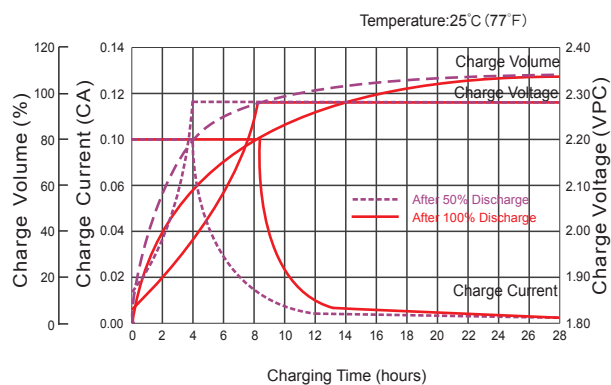
Constant Power Discharge (Watts/cell) at 20°C

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

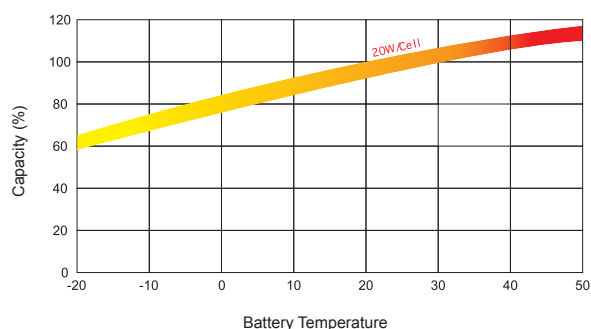
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

