



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

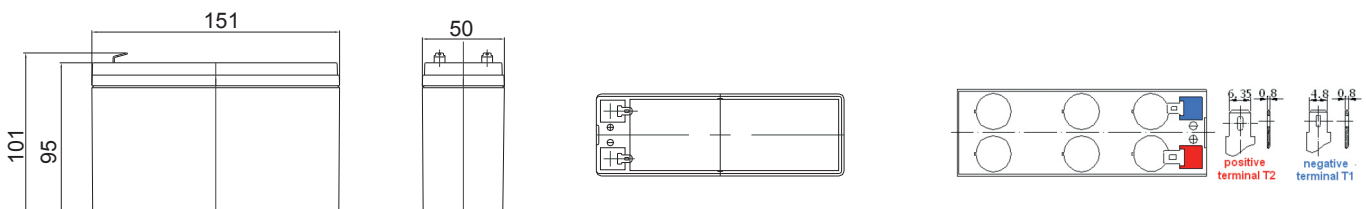
Specifications

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	Cycle Use	Storage: -15~40°C
Terminal	T1/T2		Initial Charging Current less than 1.5A.
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.
Nominal Power	5 min 247.20W (20°C / 9.6V/Block)	Standby Use	Temperature Coefficient -30mV/°C.
	10 min 170.52W		No limit on Initial Charging Current.
	15 min 127.02W		Voltage 13.7V +0.1V at 20°C.
Nominal Power	5 min 41.20W (20°C / 1.6V/Cell)	Capacity affected by Temp.	Temperature Coefficient -20mV/°C.
	10 min 28.42W		40°C 103%
	15 min 21.17W		25°C 100%
Max. Discharge Current	50A (5s)	Self Discharge	0°C 86%
Internal Resistance / Impedance (1kHz)	Approx. 33mΩ		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	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)



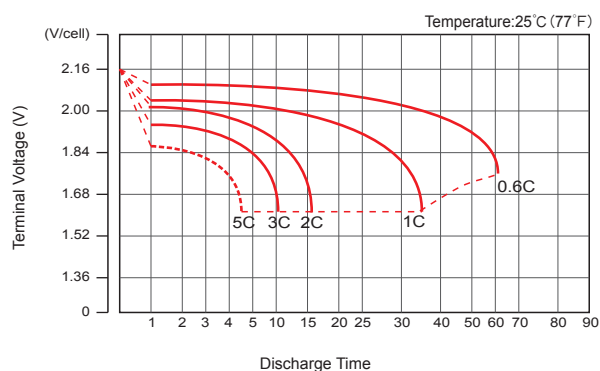
Constant Current Discharge (Amperes) at 20°C

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

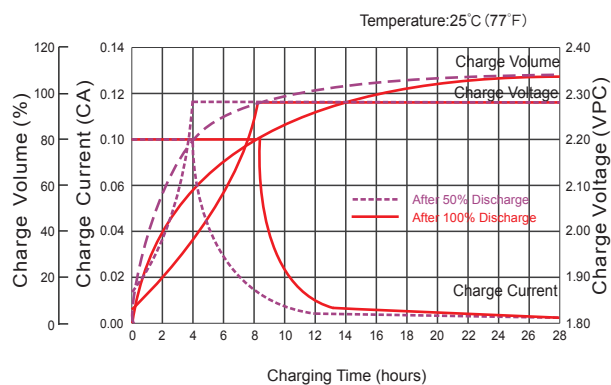
Constant Power Discharge (Watts/cell) at 20°C

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

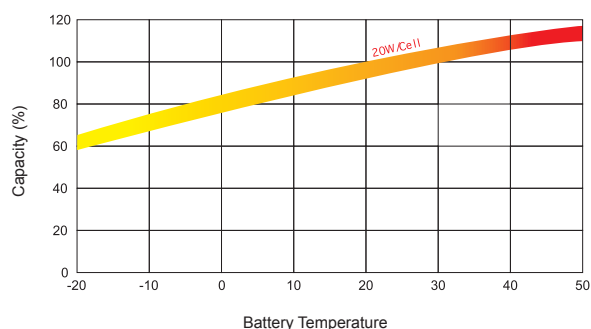
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

