



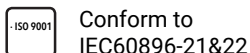
SBH200-12 (12V171W)



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



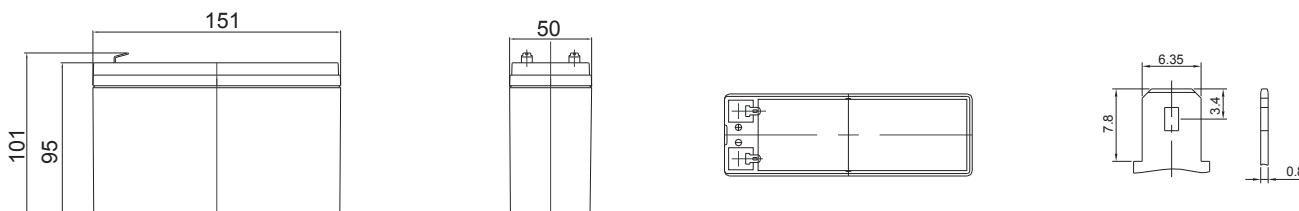
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -15~50°C
Nominal Capacity	4.6Ah (C ₁₀ , 9.6V) 5.0Ah (C ₂₀ , 9.6V)		Charge: 0~40°C
Approx. Weight	1.6kg		Storage: -15~40°C
Terminal	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. 36mΩ		
Nominal Oper. Temp. R.	20±3°C		

Dimensions

■ T2 Terminal

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



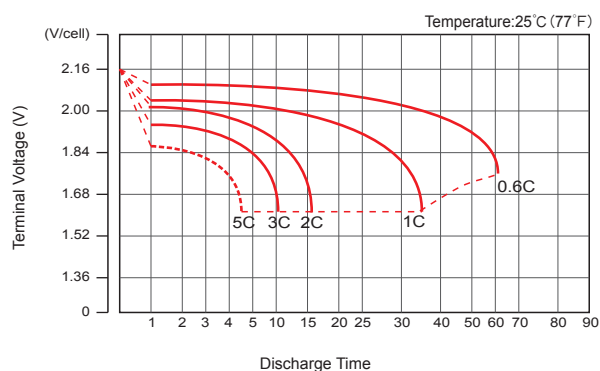
Constant Current Discharge (Amperes) at 20°C

End Point	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V/cell	26.08	22.92	18.32	15.70	11.58	9.104	6.487	3.638	2.579
1.67V/cell	23.67	20.80	16.75	14.47	10.83	8.594	6.147	3.467	2.468
1.70V/cell	22.64	19.91	16.08	13.95	10.50	8.364	5.995	3.392	2.422
1.75V/cell	20.97	18.44	14.98	13.07	9.917	7.947	5.744	3.278	2.349
1.80V/cell	19.21	16.89	13.85	12.19	9.417	7.573	5.494	3.155	2.266
1.85V/cell	16.43	14.44	11.80	10.35	8.075	6.577	4.858	2.852	2.072

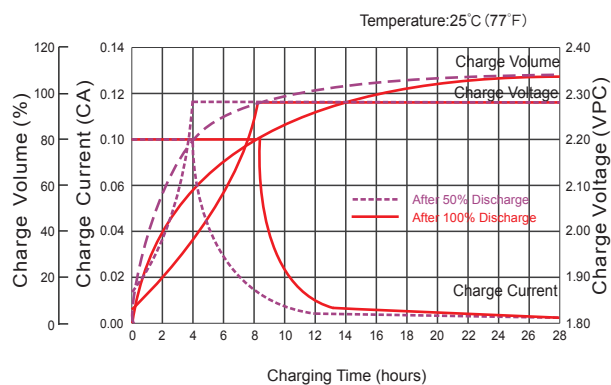
Constant Power Discharge (Watts/cell) at 20°C

End Point	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V/cell	281.2	247.2	198.18	170.52	127.02	100.56	71.94	40.93	29.29
1.67V/cell	258.4	227.1	183.72	159.48	120.00	96.00	69.24	39.39	28.30
1.70V/cell	249.5	219.3	177.78	154.74	117.48	93.96	67.62	38.77	27.85
1.75V/cell	233.3	205.1	167.52	146.82	112.02	90.36	65.52	37.69	27.13
1.80V/cell	216.6	190.4	156.72	138.42	106.98	86.76	63.36	36.61	26.42
1.85V/cell	188.2	165.4	135.42	118.92	93.00	76.08	56.37	33.31	24.26

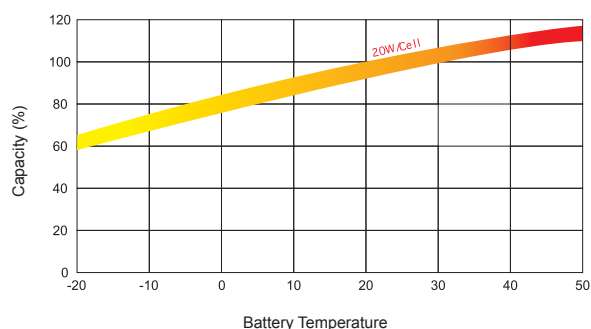
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

