

SBL560-12HR V0 Xtreme (12V140Ah)

Applications (for industrial standby use)

- 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

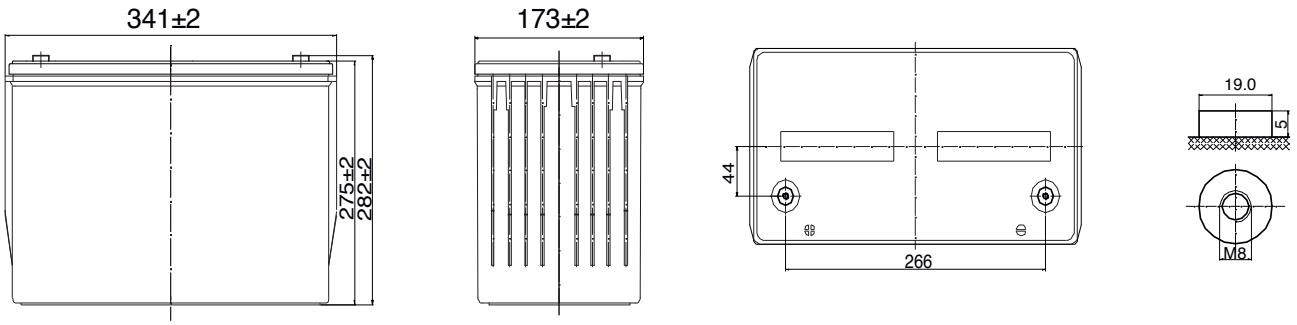
MH46465 Conform to IEC60896-21&22

Specifications

Nominal Voltage	12V	
Nominal Capacity	140Ah (C_{10},1.8V/cell)	
Approx. Weight	41.5kg	
Terminal	M8	
Container Material	ABS UL94 V0	
Rated Capacity (20°C)	140Ah/14A, 10hr, 10.8V	
	119.85Ah/23.97A, 5hr, 10.5V	
	109.89Ah/36.63A, 3hr, 10.5V	
	103Ah/103A, 1hr, 9.6V	
Max. Discharge Current	1300A (5s)	
Internal Resistance / Impedance (1kHz)	Approx. 3.6mΩ	
Nominal Oper. Temp. R.	20±2°C	
Operating Temp. Range	Discharge:	-20~60°C
	Charge:	-10~45°C
	Storage:	-20~40°C
Float Charge	2.285V/cell ± 0,5 % @ 20°C	
	Charging Current: 0.1-0.2C	
	Temperature coefficient: -3mV/cell/°C	
Capacity affected by Temp.	30°C	103%
	20°C	100%
	0°C	89%
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	>12 years according to EUROBAT	

Dimensions

- **M8 Terminal**
  Unit: mm | Dimensions: 341±2 Length X 173±2 Width X 275±2 Height (282±2 Height incl. Terminal)



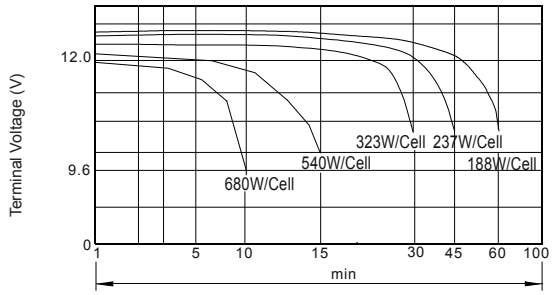
Constant Current Discharge (Amperes) at 20°C

End Voltage	3min	5min	10min	15min	20min	25min	30min	45min	60min	90min	3h	5h	8h	10h
1.60V/cell	568	469	358	292	253	217	196	134	103	73.17	39.48	25.56	17.10	14.56
1.65V/cell	552	456	337	281	246	212	188	130	101	71.12	38.36	25.03	16.73	14.42
1.67V/cell	546	450	328	276	244	210	185	128	100	70.37	38.08	24.70	16.54	14.42
1.70V/cell	523	433	318	259	228	198	175	125	99	69.53	37.66	24.44	16.35	14.28
1.75V/cell	509	416	302	245	215	190	169	122	96	67.95	36.63	23.97	16.05	14.14
1.80V/cell	492	403	293	235	206	183	161	119	94	66.17	35.61	23.38	15.68	14.00

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

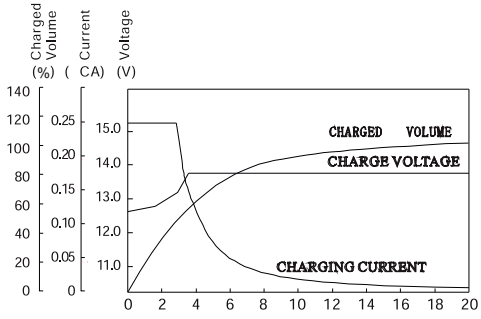
End Point	3min	5min	10min	15min	20min	25min	30min	45min	60min	90min	3h	5h	8h	10h
1.60V/cell	1104	887	680	564	468	400	358	260	201	133.73	78.57	50.59	33.44	27.70
1.65V/cell	1078	857	662	547	459	396	350	255	198	130.17	76.69	49.56	32.73	27.16
1.67V/cell	1067	844	655	540	456	394	347	253	197	128.37	75.63	49.02	32.39	26.88
1.70V/cell	1035	790	601	491	427	374	331	245	192	126.62	74.59	48.49	32.06	26.62
1.75V/cell	1004	766	568	473	412	360	323	237	188	123.06	72.72	47.46	31.37	26.03
1.80V/cell	976	744	534	455	397	347	311	229	184	119.70	70.62	46.20	30.66	25.49

Discharge Characteristics



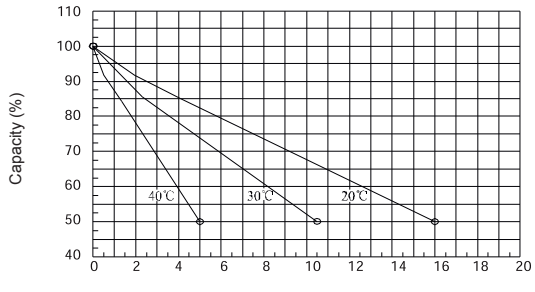
Discharge Time

Float Charging Characteristics



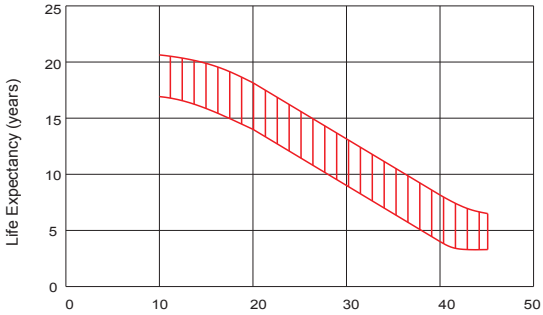
Charging Time (hours)

Self-Discharge Characteristic



Storage Time (months)

Effect of Temperature on Long Term Float Life



Battery Temperature