



# SBL26-12i (12V26Ah)

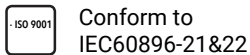


## Applications

- 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



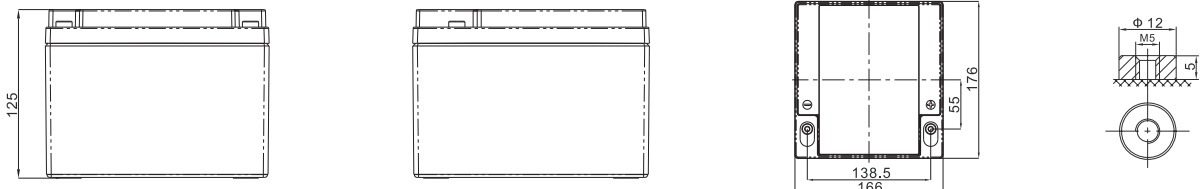
## Specifications

<b>Nominal Voltage</b>	12V	<b>Nominal Oper. Temp. R.</b>	20±2°C
<b>Nominal Capacity</b>	26Ah (C <sub>20</sub> , 10.5V)	<b>Operating Temp. Range</b>	Discharge: -15~50°C Charge: -20~40°C Storage: -15~40°C
<b>Approx. Weight</b>	7.4kg	<b>Standby Use</b>	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient -20mV/°C.
<b>Terminal</b>	M5	<b>Capacity affected by Temp.</b>	40°C 103% 25°C 100% 0°C 86%
<b>Container Material</b>	ABS UL94 HB	<b>Self Discharge</b>	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.
<b>Rated Capacity (20°C)</b>	26Ah/1.3A, 20hr, 10.5V 22.46Ah/2.46A, 10hr, 10.5V 24.24Ah/3.03A, 8hr, 10.5V 22.65Ah/4.53A, 5hr, 10.5V 20.1Ah/6.70A, 3hr, 10.5V 15.09Ah/15.09A, 1hr, 9.6V	<b>Life Expectancy</b>	10-12 years according to EUROBAT
<b>Max. Discharge Current</b>	260A (5s)		
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 16mΩ		

## Dimensions

### ■ M5 Terminal

Unit: mm | Dimensions: 166±1.5 Length X 176±1.5 Width X 125±1.5 Height (125±1.5 Height incl. Terminal)



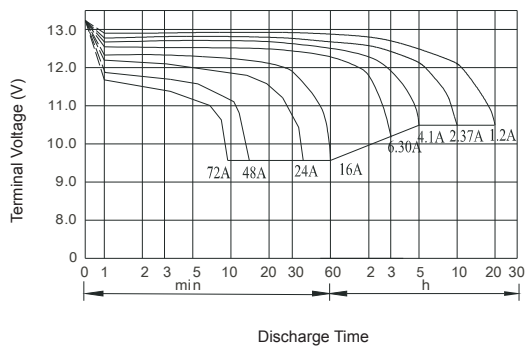
### Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	93.72	66.23	47.88	27.50	15.09	9.753	7.332	5.920	4.905	3.157	2.564	1.354
1.65V	87.15	62.59	45.77	26.40	14.57	9.442	7.106	5.759	4.777	3.121	2.532	1.332
1.70V	78.63	57.62	42.87	25.23	14.10	9.131	6.913	5.603	4.653	3.073	2.494	1.316
1.75V	70.45	52.74	39.90	24.12	13.58	8.812	6.706	5.459	4.536	3.031	2.461	1.300
1.80V	61.86	47.74	36.84	23.05	13.06	8.497	6.499	5.302	4.419	2.979	2.430	1.287
1.85V	49.10	39.02	30.57	19.85	11.72	7.785	6.008	4.928	4.121	2.797	2.287	1.222

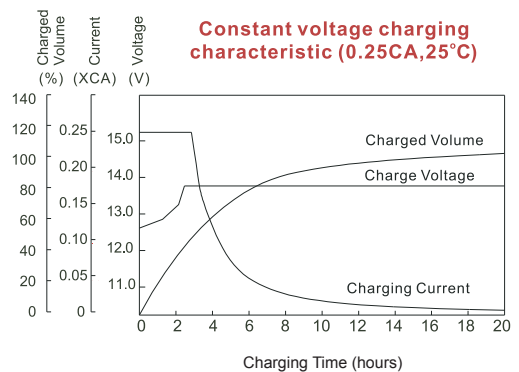
### Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	155.4	112.6	83.70	49.95	28.36	18.49	14.00	11.36	9.454	6.165	5.039	2.665
1.65V	146.1	108.4	81.21	48.45	27.54	17.98	13.63	11.10	9.243	6.108	4.985	2.627
1.70V	134.9	101.7	77.20	46.78	26.81	17.49	13.32	10.84	9.034	6.028	4.916	2.598
1.75V	123.5	94.73	72.88	45.17	25.99	16.95	12.97	10.60	8.837	5.956	4.858	2.570
1.80V	110.8	87.25	68.25	43.61	25.14	16.43	12.62	10.33	8.640	5.868	4.802	2.547
1.85V	89.76	72.57	57.44	37.93	22.69	15.13	11.72	9.640	8.084	5.522	4.527	2.422

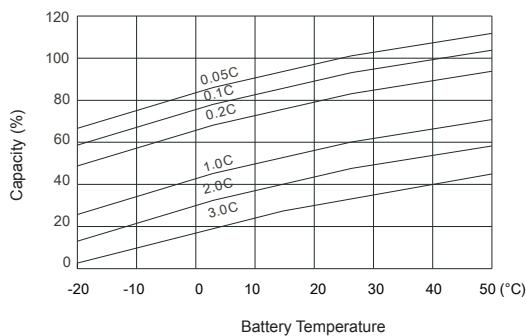
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

