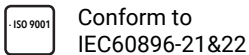




## Applications

- 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

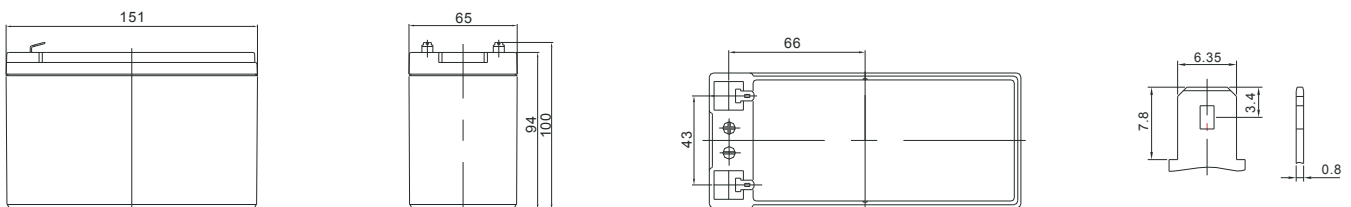
<b>Nominal Voltage</b>	12V	<b>Operating Temp. Range</b>	Discharge: -20~50°C
<b>Nominal Capacity</b>	9Ah (C <sub>20</sub> , 10.5V)		Charge: -10~50°C
<b>Approx. Weight</b>	2.55kg		Storage: -20~50°C
<b>Terminal</b>	T2	<b>Cycle Use</b>	Initial Charging Current less than 2.7A.
<b>Container Material</b>	ABS UL94 HB		Voltage 14.55V +1% at 20°C.
<b>Rated Capacity (20°C)</b>	9.00Ah/0.45A, 20hr, 10.5V		Temperature Coefficient -30mV/°C.
	8.41Ah/0.84A, 10hr, 10.8V	<b>Standby Use</b>	No limit on Initial Charging Current.
	8.39/1.04A, 8hr, 10.5V		Voltage 13.65V +1% at 20°C.
	7.85Ah/1.57A, 5hr, 10.5V		Temperature Coefficient -20mV/°C.
	6.96Ah/2.32A, 3hr, 10.5V	<b>Capacity affected by Temp.</b>	40°C 103%
	4.95Ah/4.950A, 1hr, 10.5V		25°C 100%
<b>Max. Discharge Current</b>	90A (5s)		0°C 86%
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 21mΩ	<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>Nominal Oper. Temp. R.</b>	20±3°C	<b>Life Expectancy</b>	10-12 years according to EUROBAT



## Dimensions

### ■ T2 Terminal

Unit: mm | Dimensions: 151 Length X 65 Width X 94 Height (100 Height incl. Terminal)



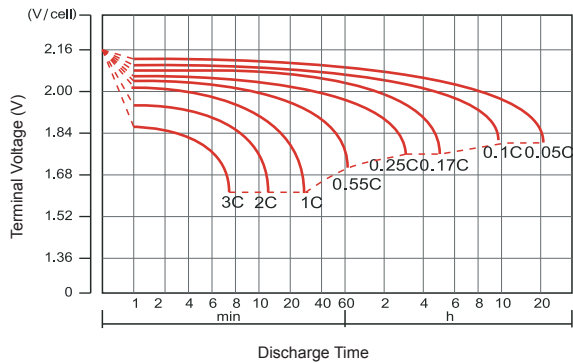
### Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	34.15	24.13	17.45	10.020	5.499	3.376	2.538	2.049	1.698	1.093	0.887	0.469
1.65V/cell	31.75	22.80	16.68	9.619	5.310	3.268	2.460	1.994	1.654	1.080	0.877	0.461
1.70V/cell	28.65	20.99	15.62	9.195	5.137	3.161	2.393	1.939	1.611	1.064	0.863	0.456
1.75V/cell	25.67	19.22	14.54	8.788	4.950	3.050	2.321	1.890	1.570	1.049	0.852	0.450
1.80V/cell	22.54	17.40	13.42	8.400	4.760	2.941	2.250	1.835	1.530	1.031	0.841	0.446
1.85V/cell	17.89	14.22	11.14	7.234	4.270	2.695	2.080	1.706	1.426	0.968	0.792	0.423

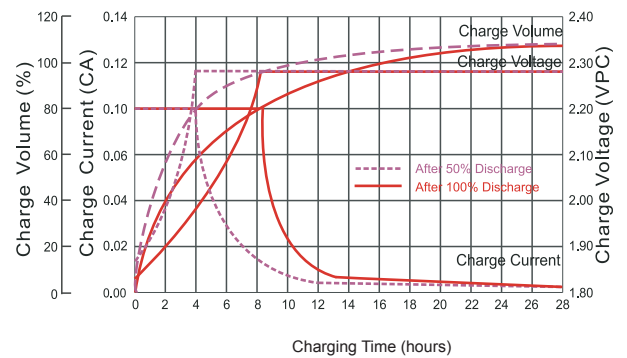
### Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	56.61	41.02	30.50	18.20	10.33	6.399	4.848	3.934	3.273	2.134	1.744	0.923
1.65V/cell	53.25	39.51	29.59	17.66	10.04	6.225	4.718	3.842	3.200	2.114	1.726	0.909
1.70V/cell	49.14	37.04	28.13	17.04	9.770	6.053	4.610	3.751	3.127	2.087	1.702	0.899
1.75V/cell	45.00	34.52	26.56	16.46	9.470	5.868	4.491	3.669	3.059	2.062	1.681	0.890
1.80V/cell	40.35	31.79	24.87	15.89	9.161	5.687	4.369	3.577	2.991	2.031	1.662	0.882
1.85V/cell	32.71	26.44	20.93	13.82	8.267	5.239	4.057	3.337	2.798	1.911	1.567	0.838

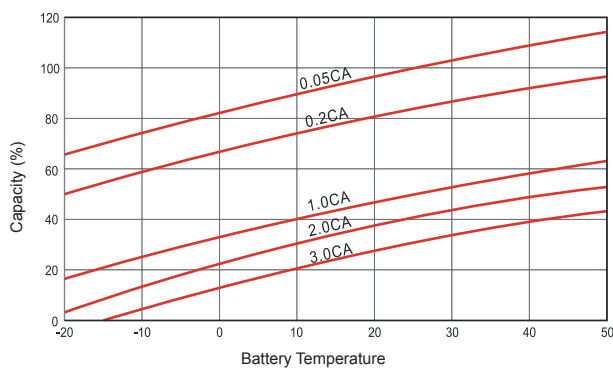
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

