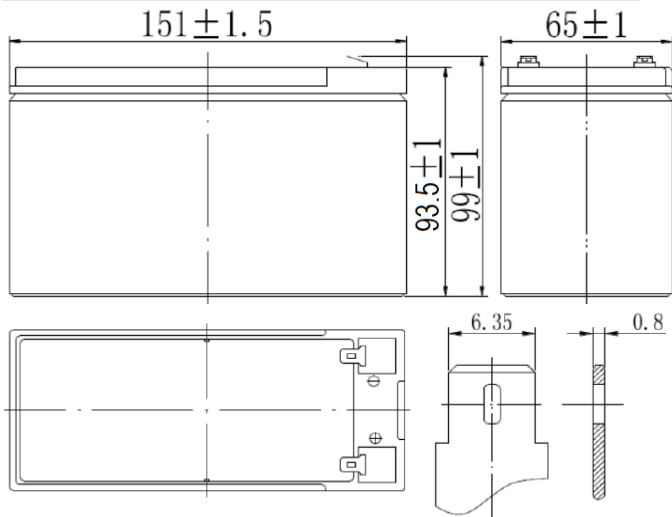


**APPLICATIONS**

- IT systems
- UPS
- Data centers
- Power generation plants and substations
- Telecommunication electrical equipments
- Switchboards
- Robots, control and other factory automation equipment
- Broadcasting systems
- Various telemeter equipments
- Signaling



**SPECIFICATIONS**

Nominal Voltage	12 V	
Number of cells	6	
Design Floating Life (20°C)	10 years	
Dimensions	Length	151 mm
	Width	65 mm
	Height	93.5 mm
	Total Height	99 mm
Weight	2.53 kg	
Watts (10 min @ 1.60 Vpc, 25°C)	50.8 W/Cell	
Watts (10 min @ 1.67 Vpc, 25°C)	50.0 W/Cell	
Capacity (10 hrs @ 1.80 Vpc, 25°C)	8.2 Ah	
Short Circuit Current	120 A	
Internal Resistance (fully charged, 25°C)	17 mOhm	
Self Discharge	approx. 3% per month at 20°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 45°C
	Charge	0°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage	2.27 to 2.30 V/cell at 25°C	
Temperature compensation	-20mV/°C	
Maximum charging current	2.7 A	
Maximum discharge current (25°C)	80A (5 sec.)	

**PERFORMANCE DATA**

**Discharge Constant Current at 25°C (Amperes)**

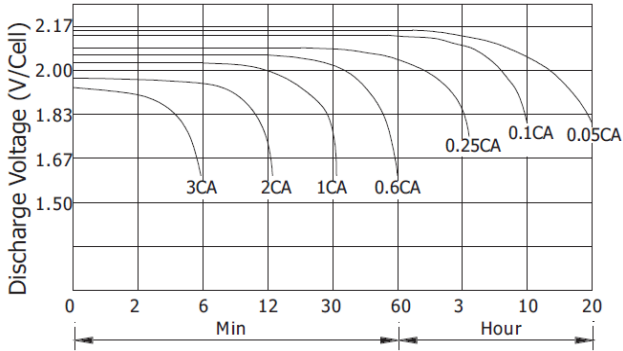
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	42.4	28.4	20.0	15.8	13.9	11.4	8.08	6.36	3.45	2.48	1.70	1.06	0.87	0.48
1.65 V	41.1	27.0	19.4	15.5	13.7	11.2	7.96	6.27	3.33	2.47	1.69	1.04	0.86	0.47
1.67 V	40.5	26.3	19.2	15.3	13.5	11.1	7.88	6.21	3.31	2.46	1.68	1.03	0.85	0.46
1.70 V	39.4	25.4	18.8	15.0	13.2	10.9	7.77	6.11	3.29	2.45	1.67	1.03	0.84	0.46
1.75 V	36.9	23.1	18.1	14.5	12.8	10.5	7.54	5.99	3.25	2.44	1.66	1.01	0.83	0.45
1.80 V	34.8	21.9	17.2	13.8	12.2	10.1	7.27	5.81	3.15	2.37	1.61	1.00	0.82	0.44

**Discharge Constant Power at 25°C (Watts/Cell)**

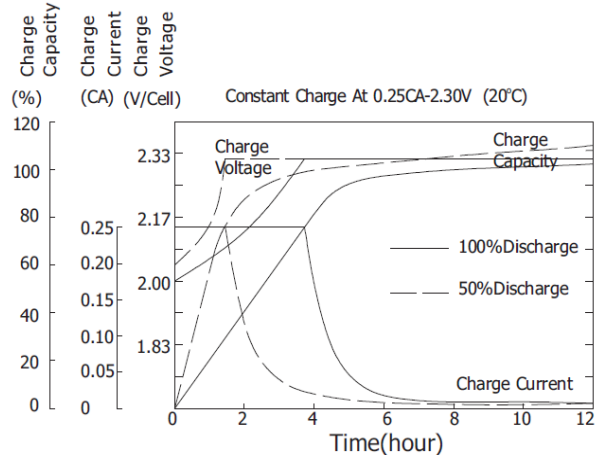
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	78.8	50.8	39.4	30.6	26.6	21.1	15.0	12.6	6.80	4.97	3.39	2.12	1.73	0.93
1.65 V	77.2	50.2	38.6	29.7	26.0	20.7	14.9	12.2	6.70	4.94	3.37	2.08	1.71	0.93
1.67 V	76.3	50.0	37.9	29.3	25.7	20.5	14.8	12.1	6.67	4.93	3.36	2.06	1.69	0.93
1.70 V	74.8	49.0	37.3	28.7	25.3	20.3	14.7	12.0	6.62	4.91	3.35	2.05	1.69	0.92
1.75 V	73.7	47.1	36.2	27.7	24.4	19.7	14.2	11.8	6.55	4.88	3.33	2.02	1.66	0.92
1.80 V	71.6	45.4	34.6	26.3	23.4	19.1	13.8	11.4	6.34	4.73	3.23	1.98	1.63	0.92

Note: The above characteristics data can be obtained within three charge/discharge cycles.

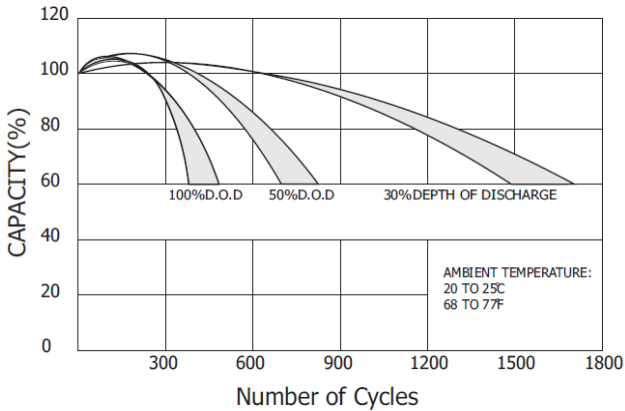
**Discharge Characteristics (20°C)**



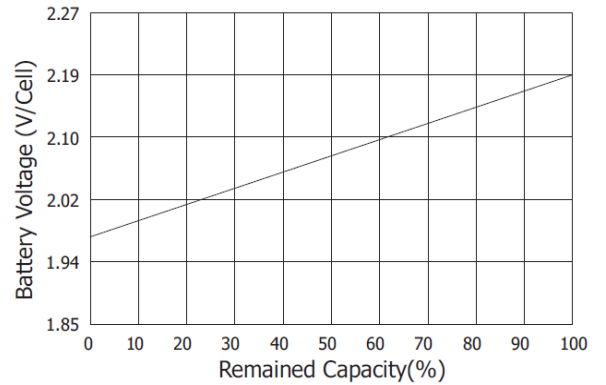
**Charging Characteristic (20°C)**



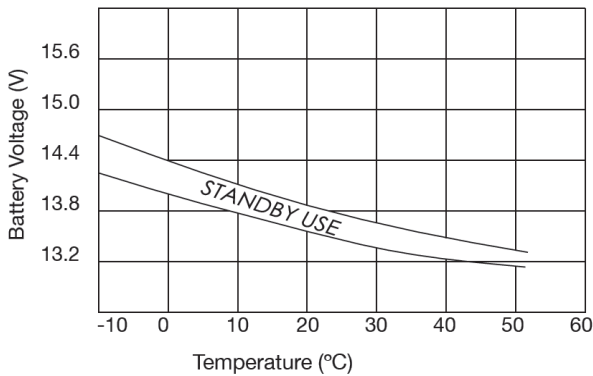
**Cycle Service Life in Relation to Depth of Discharge**



**Relationship Between OCV and Residual Capacity (20°C)**



**Relationship Between Charging Voltage and Temperature**



**Self Discharge Characteristics**

