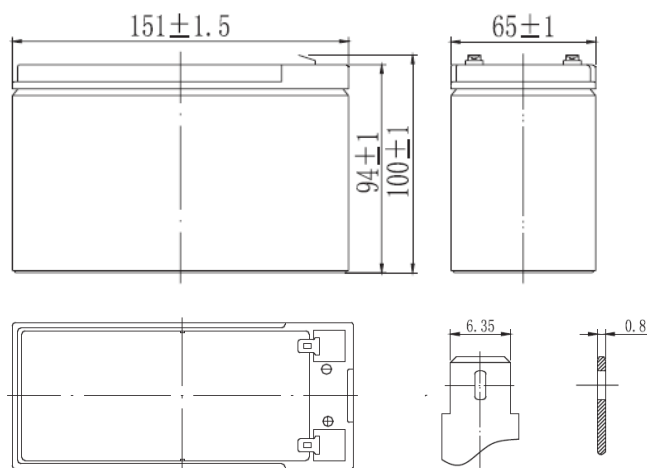


**APPLICATIONS**

- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency backup power supplies
- Electronic apparatus and equipment
- Communication power supplies
- DC power supplies
- Auto control system



**SPECIFICATIONS**

Nominal Voltage	12 V	
Number of cells	6	
Design Floating Life (20°C)	10 years	
Dimensions	Length	151 mm
	Width	65 mm
	Height	94 mm
	Total Height	100 mm
Weight	2.35 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	9.00 Ah
	10 hours rate (1.75)	8.40 Ah
	5 hours rate (1.75)	7.65 Ah
	1 hour rate (1.60)	5.85 Ah
Internal Resistance (fully charged, 25°C)	19 mOhm	
Self Discharge	approx. 3% per month at 25°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-10°C to 50°C
	Storage	-20°C to 50°C
Float Charging Voltage	2.25 to 2.30 V/cell at 25°C	
Temperature compensation	-18mV/°C	
Maximum charging current	2.70 A	
Maximum discharge current (25°C)	135 A (5 sec.)	
Short Circuit Current (25°C)	640 A	

**PERFORMANCE DATA**

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

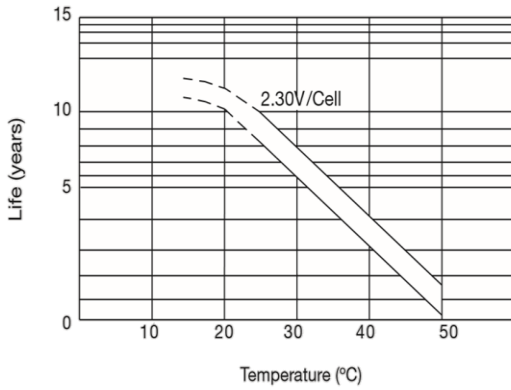
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.60V	34.2	21.6	17.1	9.54	5.85	3.20	2.30	1.84	1.56	0.85	0.46
1.65V	33.2	21.0	16.7	9.35	5.76	3.18	2.28	1.83	1.55	0.85	0.45
1.70V	31.8	20.1	16.1	9.06	5.62	3.15	2.27	1.81	1.54	0.84	0.45
1.75V	30.4	19.2	15.5	8.84	5.50	3.10	2.25	1.80	1.53	0.84	0.45
1.80V	28.7	18.1	14.7	8.52	5.34	3.02	2.18	1.75	1.48	0.82	0.44

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

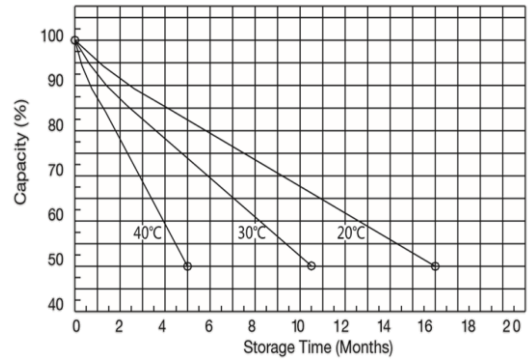
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.60V	382	244	195	109	67.7	37.4	27.3	21.9	18.6	10.2	5.48
1.65V	370	236	190	107	66.7	37.2	27.1	21.7	18.5	10.2	5.46
1.70V	355	227	183	104	65.0	36.9	26.9	21.6	18.4	10.1	5.43
1.75V	340	217	177	101	63.7	36.3	26.7	21.4	18.3	10.0	5.40
1.80V	321	205	168	97.6	61.8	35.4	25.9	20.8	17.7	9.84	5.29

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

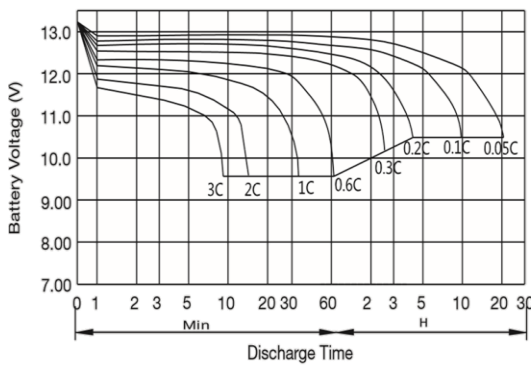
**Temperature Effects on Float Life**



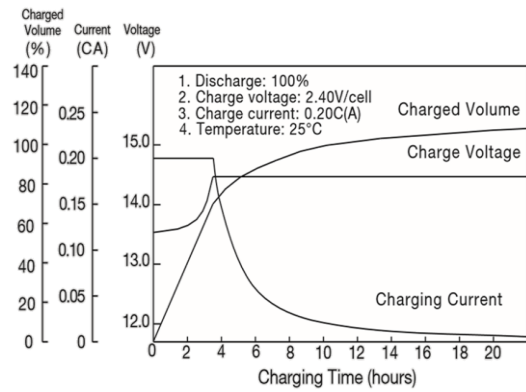
**Self Discharge Characteristics**



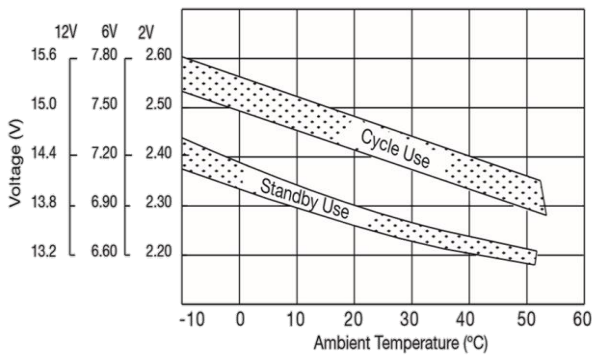
**Discharge Characteristics (25°C)**



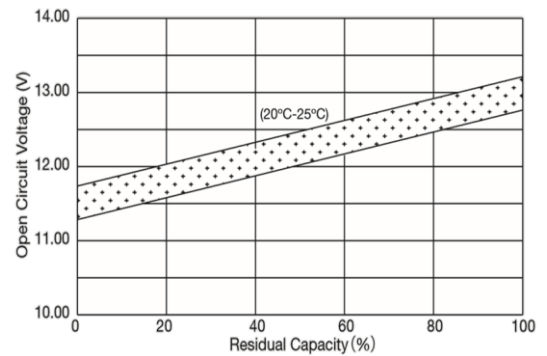
**Charging Characteristics (25°C)**



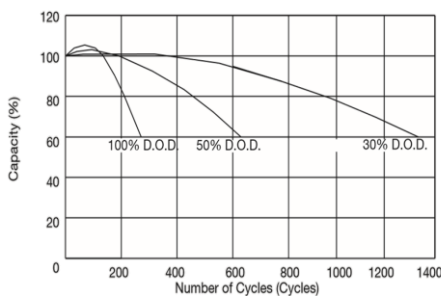
**Relationship Between Charging Voltage and Temperature**



**Relationship Between OCV and Residual Capacity (25°C)**



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



**Temperature Effects on Capacity**

