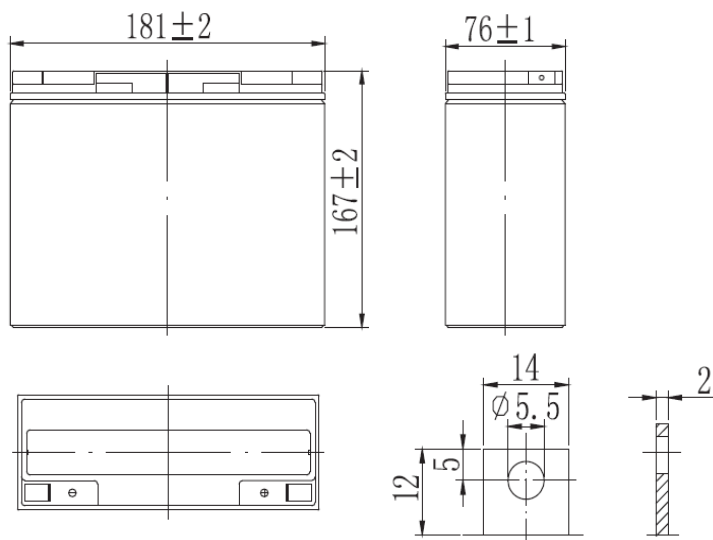


**APPLICATIONS**

- 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	181 mm
	Width	76 mm
	Height	167 mm
	Total Height	167 mm
Weight	5.00 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	18.0 Ah
	10 hours rate (1.75)	16.3 Ah
	5 hours rate (1.75)	14.9 Ah
	1 hour rate (1.65)	11.2 Ah
Internal Resistance (fully charged, 25°C)	17 mOhm	
Self Discharge	approx. 3% per month at 25°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	5.40 A	
Maximum discharge current (25°C)	180 A (5 sec.)	
Short Circuit Current (25°C)	270 A	



**PERFORMANCE DATA**

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

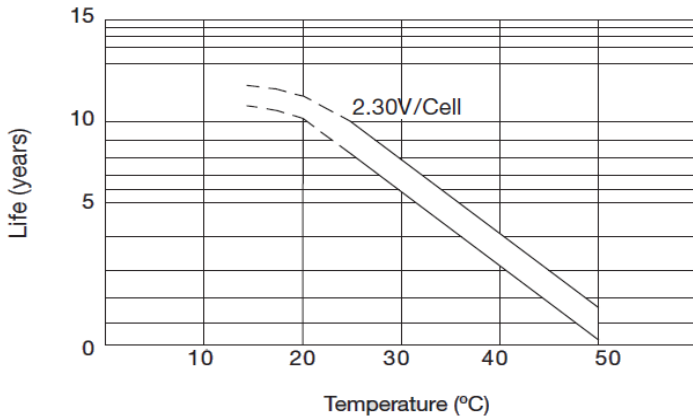
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	65.7	41.8	33.1	18.5	11.4	6.30	4.48	3.50	3.03	1.99	1.66	0.93
1.65V	63.7	40.6	32.2	18.2	11.2	6.15	4.46	3.48	3.01	1.98	1.65	0.93
1.70V	61.0	38.8	31.1	17.6	10.9	6.09	4.43	3.45	2.99	1.98	1.64	0.92
1.75V	58.4	37.2	30.0	17.2	10.7	5.94	4.40	3.43	2.97	1.97	1.63	0.90
1.80V	55.1	35.1	28.4	16.6	10.4	5.81	4.26	3.33	2.87	1.88	1.60	0.89

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

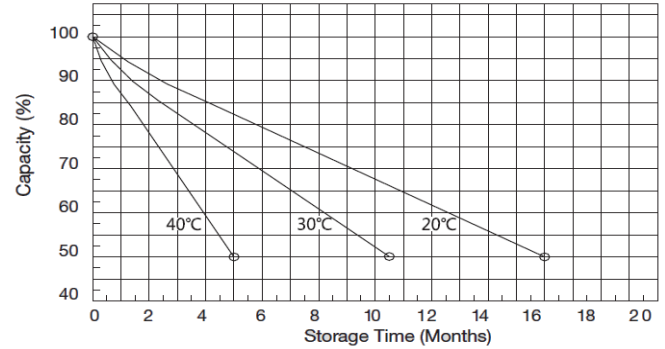
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	122	77.9	62.2	35.1	21.7	12.1	8.75	6.86	5.94	3.97	3.31	1.89
1.65V	118	75.7	60.7	34.4	21.4	11.9	8.70	6.81	5.91	3.95	3.30	1.88
1.70V	113	72.4	58.5	33.3	20.9	11.7	8.64	6.76	5.86	3.94	3.28	1.87
1.75V	108	69.2	56.4	32.5	20.4	11.5	8.59	6.72	5.83	3.90	3.26	1.86
1.80V	102	65.3	53.5	31.3	19.8	11.3	8.33	6.52	5.66	3.82	3.20	1.75

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

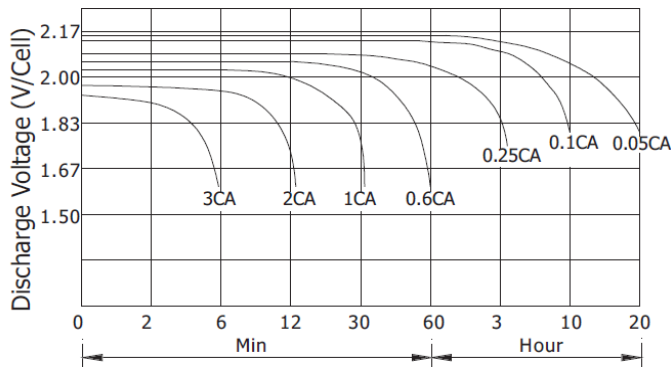
**Temperature Effects on Float Life**



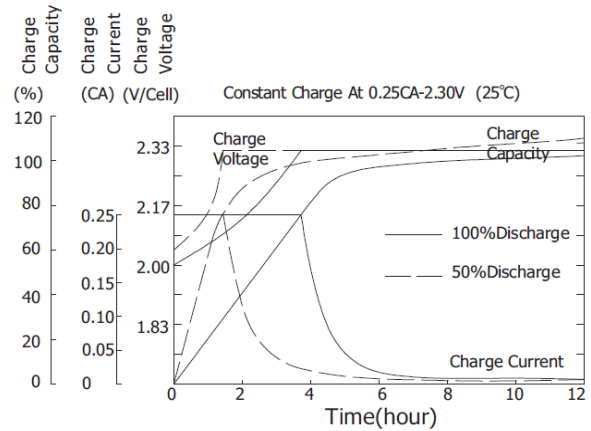
**Self Discharge Characteristics**



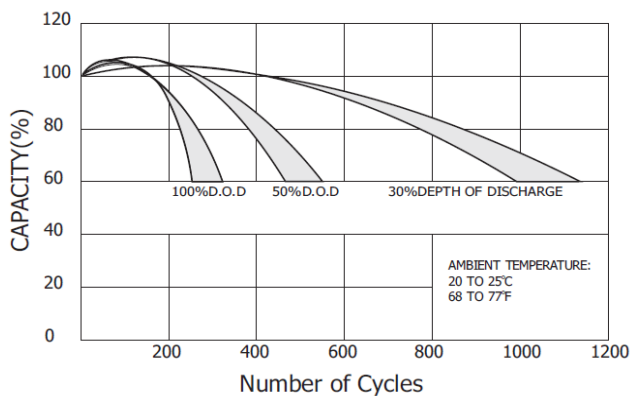
**Discharge Characteristics (25°C)**



**Charging Characteristics (25°C)**



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



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

