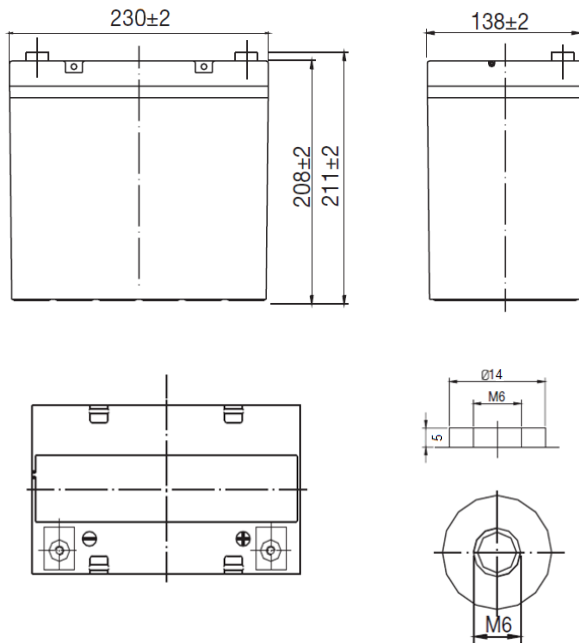


APPLICATIONS

- 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)	12 years	
Dimensions	Length	230 mm
	Width	138 mm
	Height	208 mm
	Total Height	211 mm
Weight	17.3 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	59.4 Ah
	10 hours rate (1.80)	56.1 Ah
	5 hours rate (1.75)	48.6 Ah
	1 hour rate (1.65)	36.6 Ah
Internal Resistance (fully charged, 25°C)	8.0 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	-18mV/°C	
Maximum charging current	13.75 A	
Maximum discharge current (25°C)	500 A (5 sec.)	
Short Circuit Current (25°C)	672 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

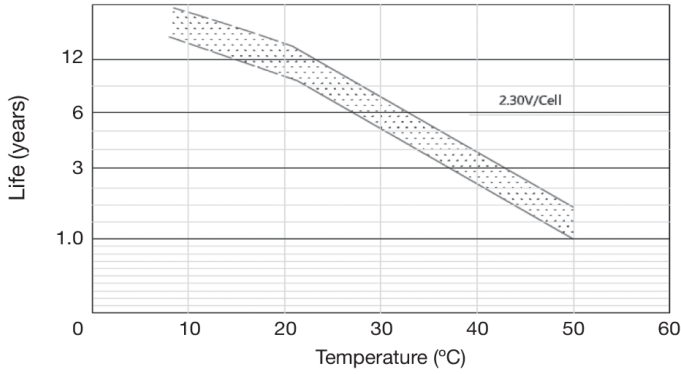
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	133	97.1	58.3	45.3	36.7	21.7	15.2	12.9	9.93	8.89	7.00	5.95	3.11
1.65V	127	95.4	57.6	44.5	36.6	21.6	15.0	12.8	9.85	8.62	6.96	5.86	3.10
1.70V	118	91.0	55.6	43.0	36.4	21.3	14.9	12.4	9.78	8.55	6.92	5.81	3.09
1.75V	108	86.0	54.4	41.4	36.1	21.0	14.8	12.0	9.72	8.50	6.86	5.71	3.08
1.80V	101	82.1	52.7	39.9	35.7	20.5	14.7	11.8	9.60	8.23	6.66	5.61	2.97

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

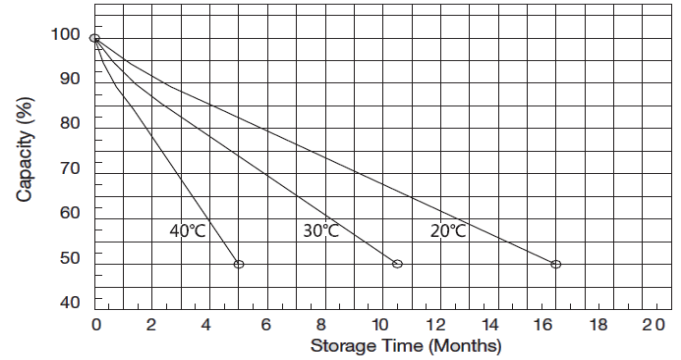
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	221	174	110	81.5	72.1	41.5	29.1	24.6	19.9	17.7	14.0	12.0	6.27
1.65V	219	172	108	79.4	69.8	41.1	29.0	24.3	19.8	17.5	13.9	11.8	6.25
1.70V	213	169	105	77.4	67.9	40.8	28.9	23.4	19.7	17.4	13.8	11.7	6.22
1.75V	199	159	102	74.5	67.3	40.2	28.6	22.7	19.6	17.3	13.7	11.6	6.18
1.80V	185	149	99.0	71.9	66.2	39.2	28.2	22.3	18.9	16.7	13.3	11.5	6.00

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

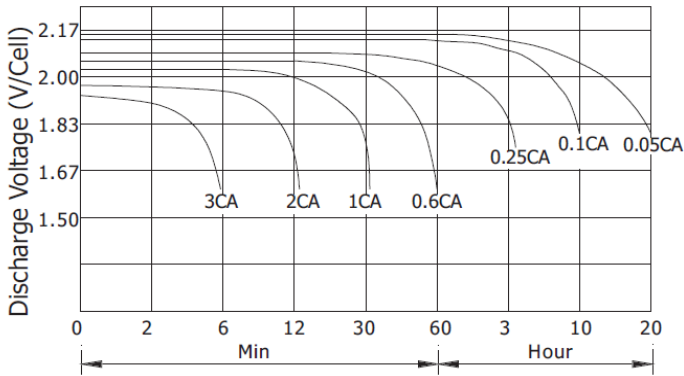
Temperature Effects on Float Life



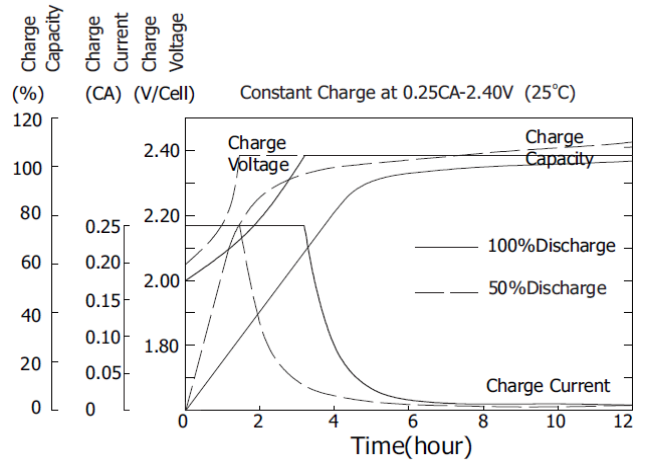
Self Discharge Characteristics



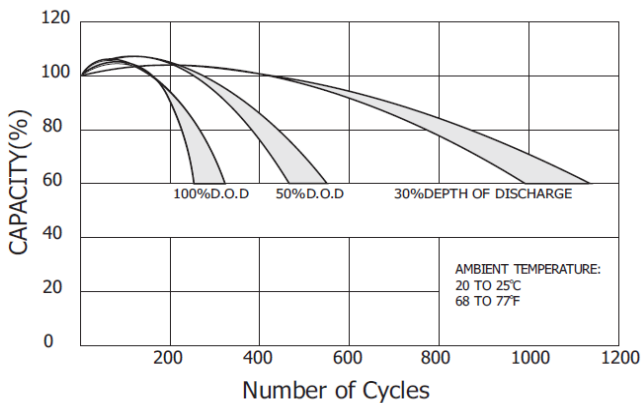
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (25°C)

