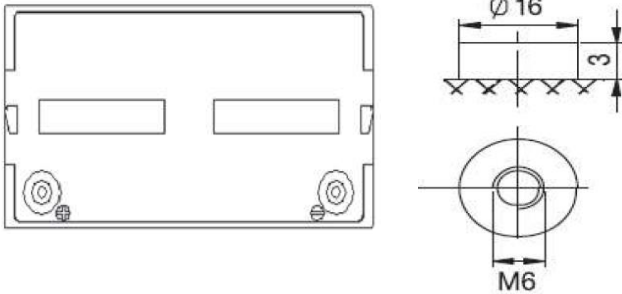
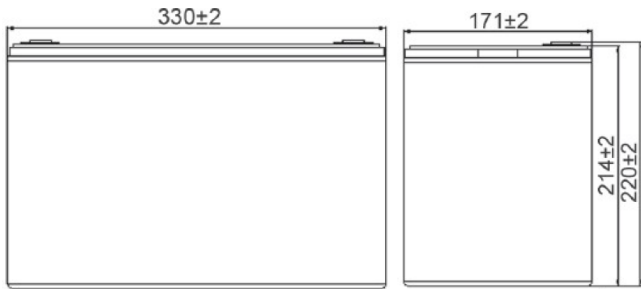


**APPLICATIONS**

- 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	330 mm
	Width	171 mm
	Height	214 mm
	Total Height	220 mm
Weight	28.5 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	106 Ah
	10 hours rate (1.75)	100 Ah
	5 hours rate (1.75)	89.0 Ah
	1 hour rate (1.65)	62.8 Ah
Internal Resistance (fully charged, 25°C)	5.00 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	25.0 A	
Maximum discharge current (25°C)	1000 A (5 sec.)	
Short Circuit Current (25°C)	1650 A	

**PERFORMANCE DATA**

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

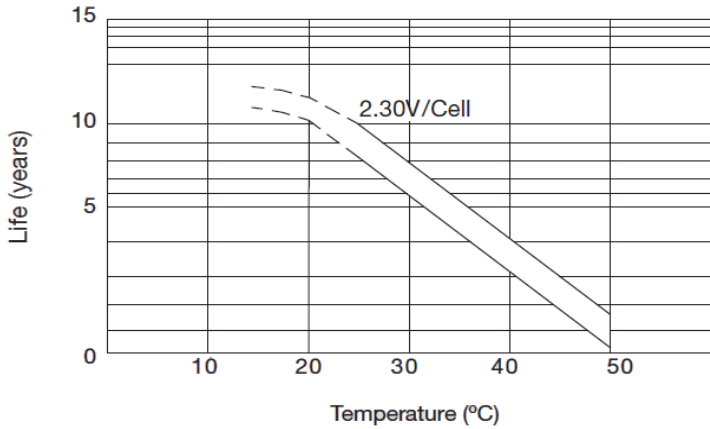
End Voltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	351	207	166	140	105	76.7	63.0	37.8	26.4	21.9	18.1	14.5	12.8	10.6	5.53
1.65V	339	201	161	137	102	75.5	62.8	36.8	26.3	21.8	18.0	14.4	12.7	10.5	5.51
1.70V	324	191	155	131	98.8	72.4	62.4	36.5	26.1	21.3	17.9	14.3	12.4	10.4	5.50
1.75V	311	184	150	127	96.4	71.4	60.6	36.0	25.9	20.8	17.8	14.2	12.2	10.2	5.49
1.80V	294	174	143	121	92.9	68.9	58.8	35.0	25.2	20.3	17.2	13.8	12.1	10.0	5.30

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

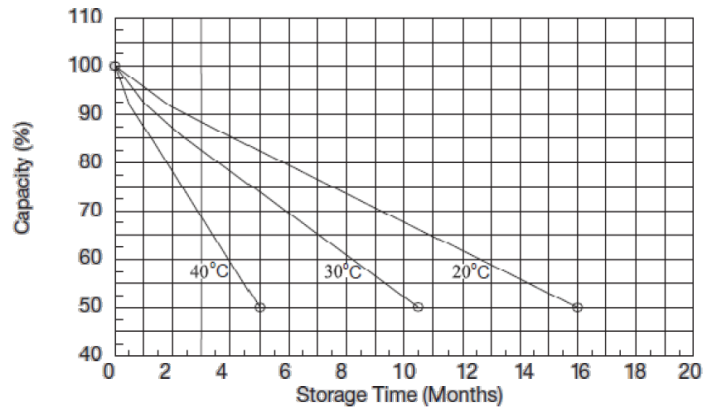
End Voltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	631	366	299	252	191	142	122	71.6	51.0	41.6	35.7	31.0	24.5	21.2	11.1
1.65V	611	355	292	246	187	140	119	71.2	50.7	41.2	35.5	30.9	24.5	20.9	11.0
1.70V	585	341	281	237	181	135	116	70.5	50.3	41.1	35.2	30.6	24.3	20.7	10.9
1.75V	560	326	271	229	177	133	115	69.5	50.0	40.7	35.0	30.4	24.2	20.4	10.8
1.80V	529	308	257	217	170	128	113	67.7	48.5	39.5	34.0	29.6	23.3	20.1	10.6

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

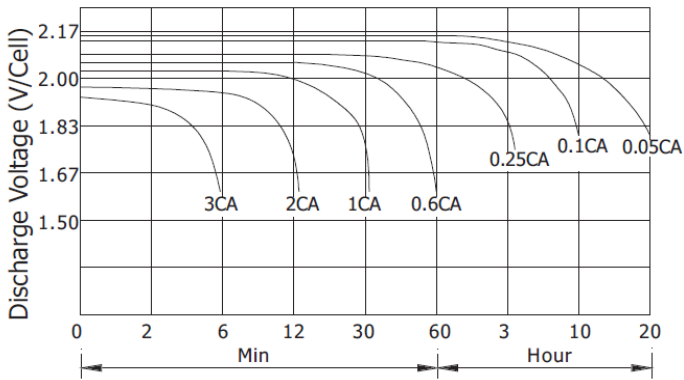
**Temperature Effects on Float Life**



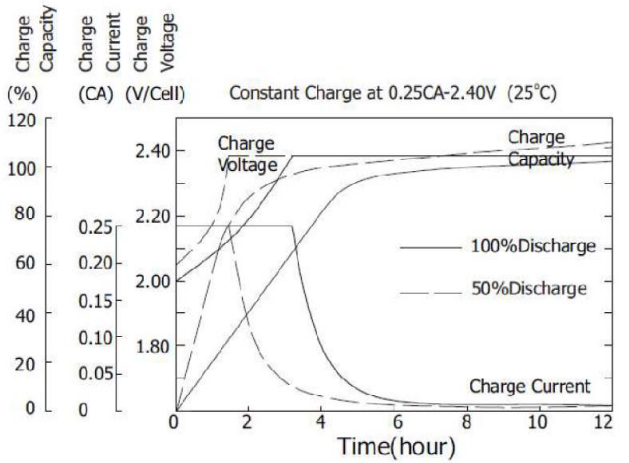
**Self Discharge Characteristics**



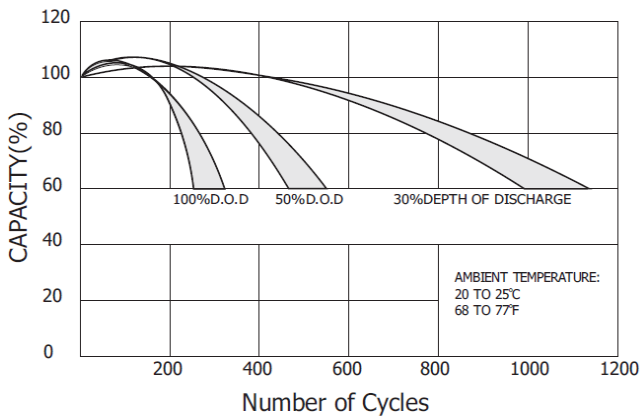
**Discharge Characteristics (25°C)**



**Charging Characteristics (25°C)**



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



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

