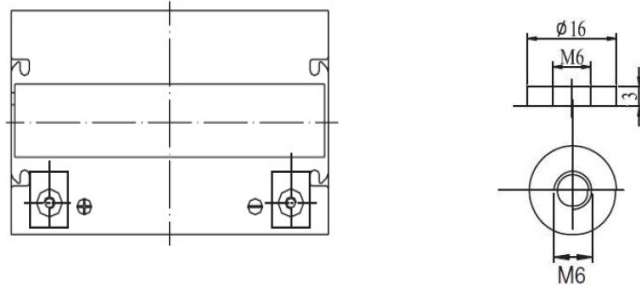
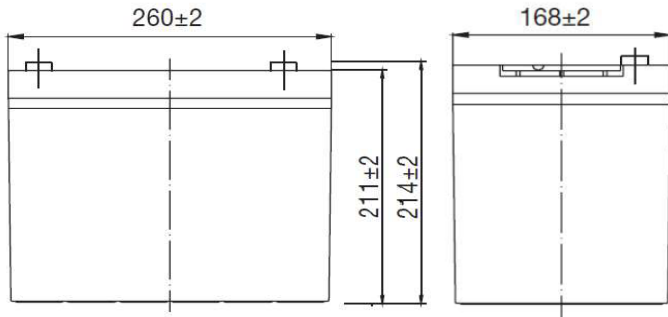


APPLICATIONS

- 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	260 mm
	Width	168 mm
	Height	211 mm
	Total Height	214 mm
Weight	22.1 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	80.0 Ah
	10 hours rate (1.80)	75.0 Ah
	5 hours rate (1.75)	66.0 Ah
	1 hour rate (1.65)	47.0 Ah
Internal Resistance (fully charged, 25°C)	8.20 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	18.75 A	
Maximum discharge current (25°C)	700 A (5 sec.)	
Short Circuit Current (25°C)	1000 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

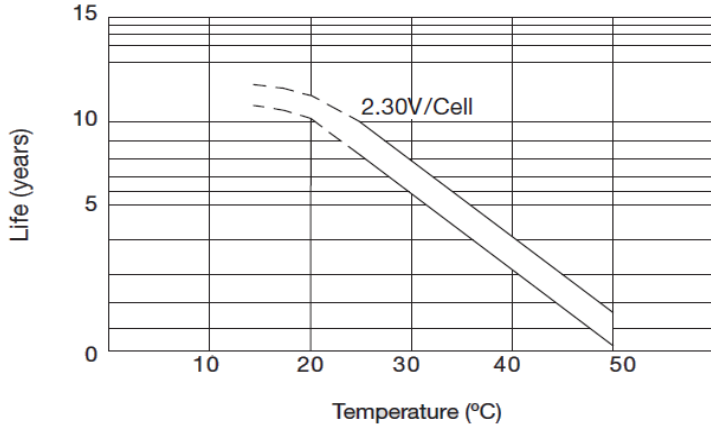
End Voltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	276	163	128	109	78.5	57.7	47.5	28.3	19.7	16.5	13.5	10.9	9.28	7.95	4.15
1.65V	267	158	125	103	76.5	55.7	47.0	27.5	19.6	16.4	13.4	10.8	9.22	7.83	4.13
1.70V	255	150	119	99.2	74.0	54.6	46.8	27.3	19.5	16.2	13.3	10.8	9.15	7.77	4.10
1.75V	244	146	116	95.8	72.4	52.3	45.2	26.9	19.4	15.9	13.2	10.7	9.09	7.64	4.05
1.80V	230	136	111	90.7	69.8	50.7	44.1	26.2	18.7	15.5	12.8	10.4	8.82	7.50	4.00

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

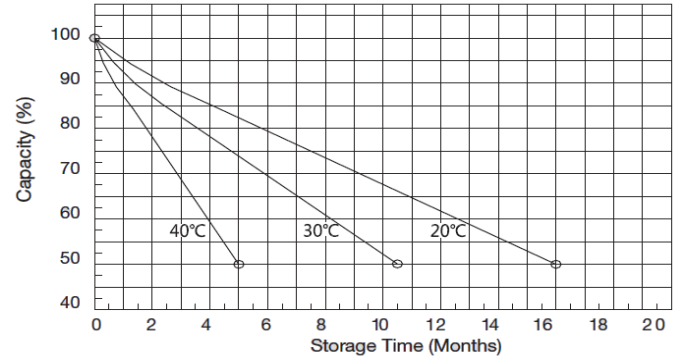
End Voltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	503	292	234	201	145	108	91.9	54.4	38.6	31.6	27.1	23.6	18.5	15.9	8.30
1.65V	486	283	229	196	142	106	90.5	53.0	38.5	31.4	27.0	23.4	18.4	15.9	8.28
1.70V	464	272	220	188	137	104	88.2	52.6	38.1	31.2	26.8	23.3	18.2	15.8	8.26
1.75V	445	260	213	181	134	99.9	86.5	51.9	37.9	31.1	26.6	23.1	18.1	15.5	8.24
1.80V	419	250	202	171	129	96.8	83.7	50.5	36.7	30.5	25.8	22.4	17.5	15.2	8.16

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

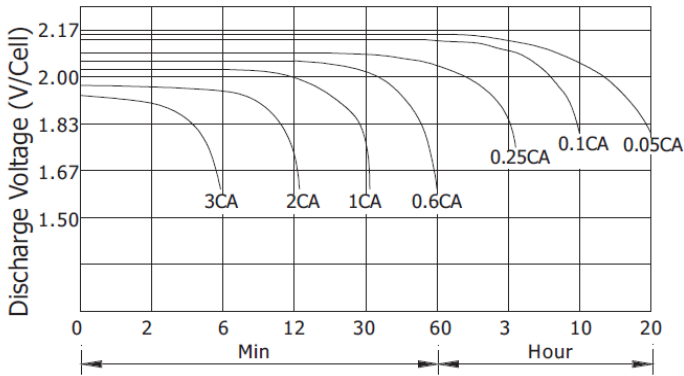
Temperature Effects on Float Life



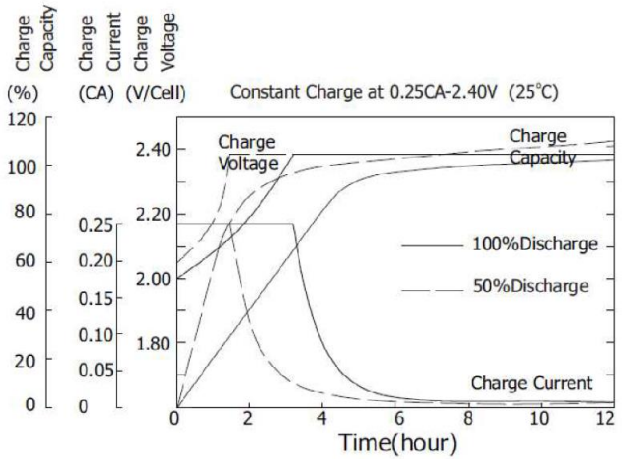
Self Discharge Characteristics



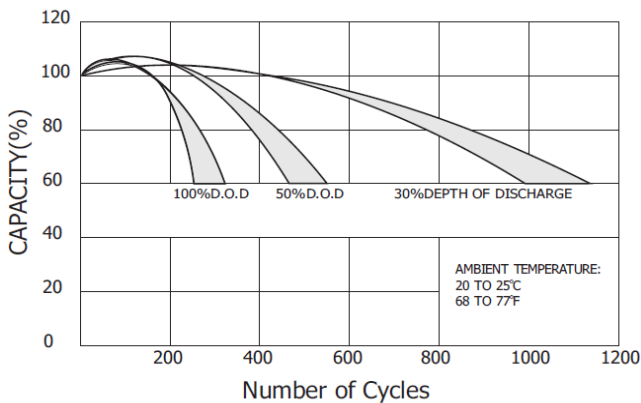
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (25°C)

