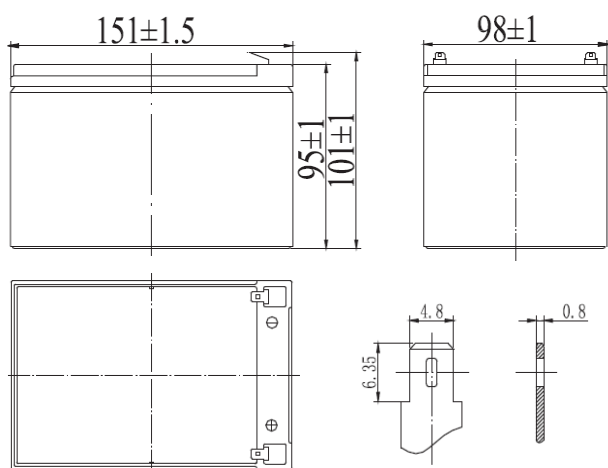


APPLICATIONS

- 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	98 mm
	Height	95 mm
	Total Height	101 mm
Weight	3.40 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	12.0 Ah
	10 hours rate (1.75)	11.3 Ah
	5 hours rate (1.75)	9.60 Ah
	1 hour rate (1.60)	7.36 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	3.60 A	
Maximum discharge current (25°C)	180 A (5 sec.)	
Short Circuit Current (25°C)	640 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

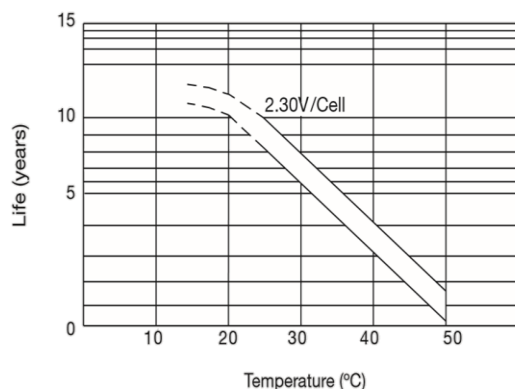
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	42.5	27.1	21.4	12.0	7.36	4.06	2.90	2.26	1.96	1.29	1.14	0.61
1.65V	41.1	26.2	20.9	11.8	7.25	4.03	2.88	2.25	1.95	1.28	1.14	0.60
1.70V	39.4	25.1	20.1	11.4	7.06	4.00	2.86	2.24	1.93	1.27	1.13	0.60
1.75V	37.8	24.1	19.4	11.1	6.92	3.94	2.84	2.22	1.92	1.26	1.13	0.60
1.80V	35.6	22.7	18.4	10.7	6.71	3.84	2.76	2.15	1.86	1.22	1.11	0.56

Discharge Constant Power at 25°C (Watts)

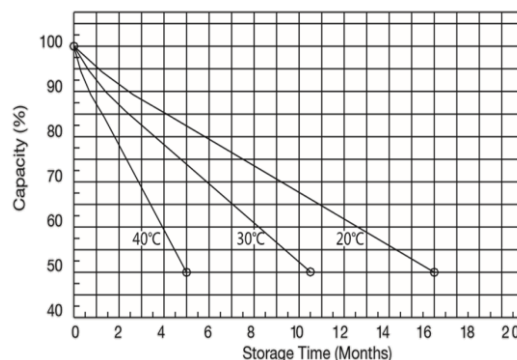
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	477	305	244	138	85.2	47.5	34.5	27.0	23.4	15.4	13.7	7.29
1.65V	463	296	238	135	83.9	47.2	34.3	26.8	23.2	15.3	13.7	7.26
1.70V	444	284	229	131	81.8	46.8	34.0	26.6	23.1	15.2	13.6	7.21
1.75V	424	271	221	127	80.2	46.1	33.8	26.4	22.9	15.1	13.5	7.20
1.80V	400	256	210	123	77.7	44.9	32.8	25.6	22.2	14.7	13.3	6.77

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

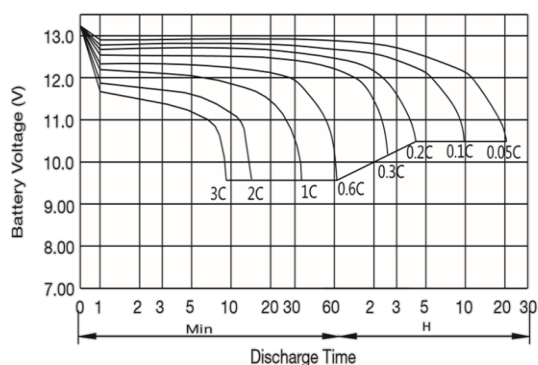
Temperature Effects on Float Life



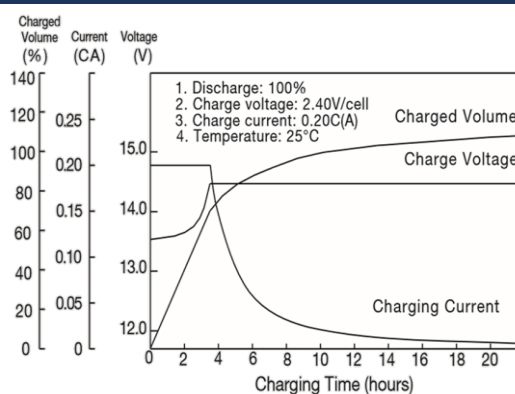
Self Discharge Characteristics



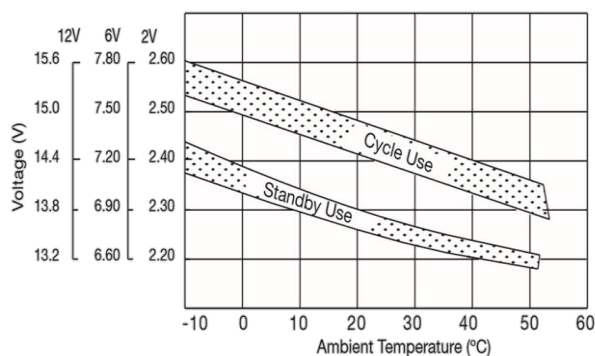
Discharge Characteristics (25°C)



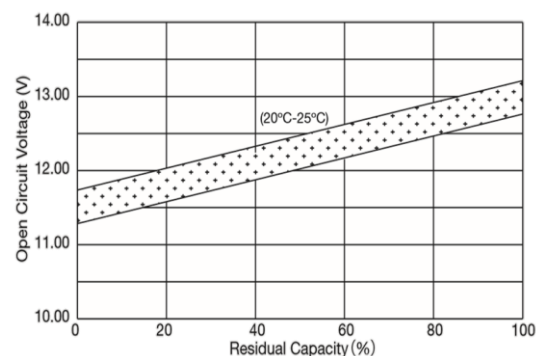
Charging Characteristics (25°C)



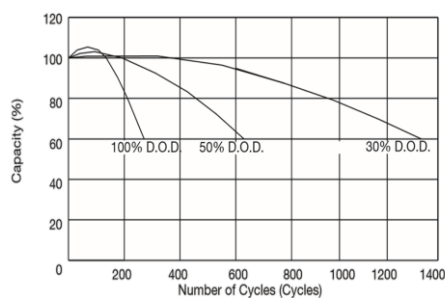
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

