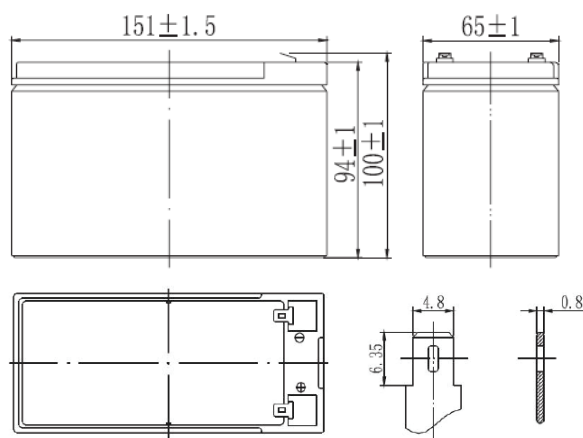


APPLICATIONS

- 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	65 mm
	Height	94 mm
	Total Height	100 mm
Weight		1.95 kg
Nominal Capacity (25°C)	20 hours rate (1.75)	7.00 Ah
	10 hours rate (1.75)	6.20 Ah
	5 hours rate (1.75)	5.60 Ah
	1 hour rate (1.60)	4.29 Ah
Internal Resistance (fully charged, 25°C)		35 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		2.10 A
Maximum discharge current (25°C)		105 A (5 sec.)
Short Circuit Current (25°C)		400 A

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

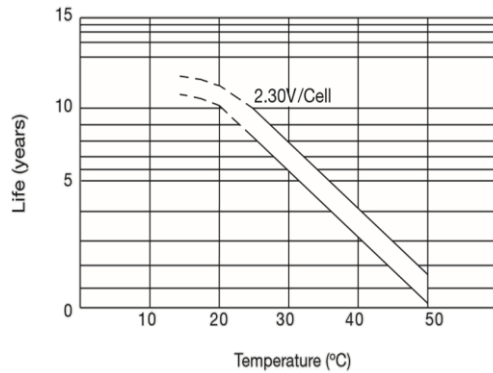
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.60V	25.1	15.8	12.5	7.00	4.29	2.34	1.68	1.35	1.14	0.63	0.35
1.65V	24.3	15.4	12.2	6.86	4.23	2.33	1.67	1.34	1.14	0.63	0.35
1.70V	23.3	14.7	11.8	6.65	4.12	2.31	1.66	1.33	1.13	0.63	0.35
1.75V	22.3	14.1	11.4	6.49	4.04	2.28	1.65	1.32	1.12	0.62	0.35
1.80V	21.1	13.3	10.8	6.25	3.91	2.22	1.60	1.28	1.09	0.61	0.34

Discharge Constant Power at 25°C (Watts)

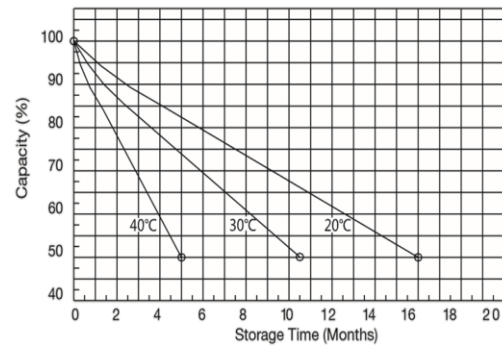
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.60V	280	179	143	80.2	49.7	27.4	20.0	16.0	13.7	7.59	4.20
1.65V	271	173	140	78.6	48.9	27.3	19.9	15.9	13.6	7.56	4.19
1.70V	260	166	134	76.2	47.7	27.0	19.7	15.8	13.5	7.52	4.16
1.75V	249	159	130	74.3	46.7	26.6	19.6	15.7	13.4	7.48	4.14
1.80V	235	150	123	71.6	45.3	25.9	19.0	15.2	13.0	7.33	4.06

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

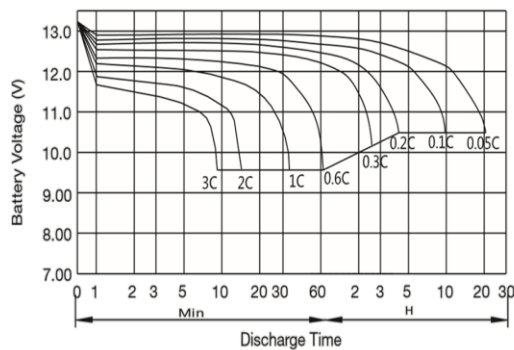
Temperature Effects on Float Life



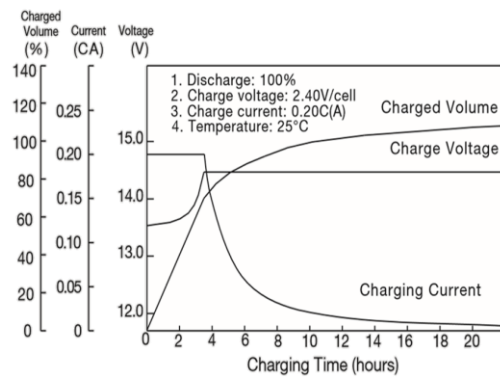
Self Discharge Characteristics



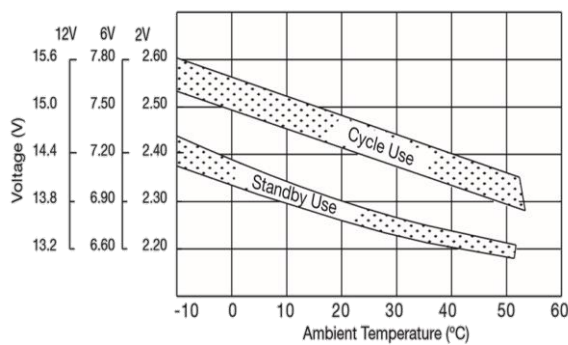
Discharge Characteristics (25°C)



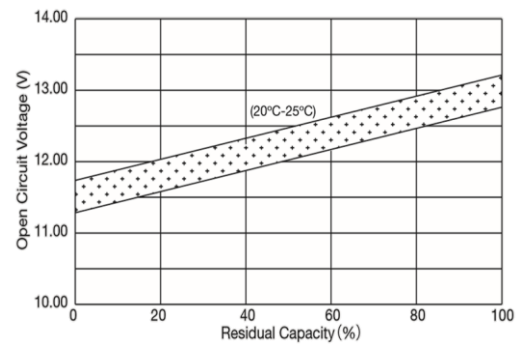
Charging Characteristics (25°C)



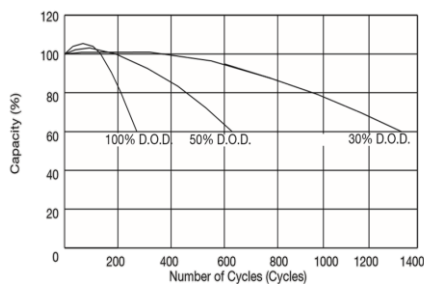
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

