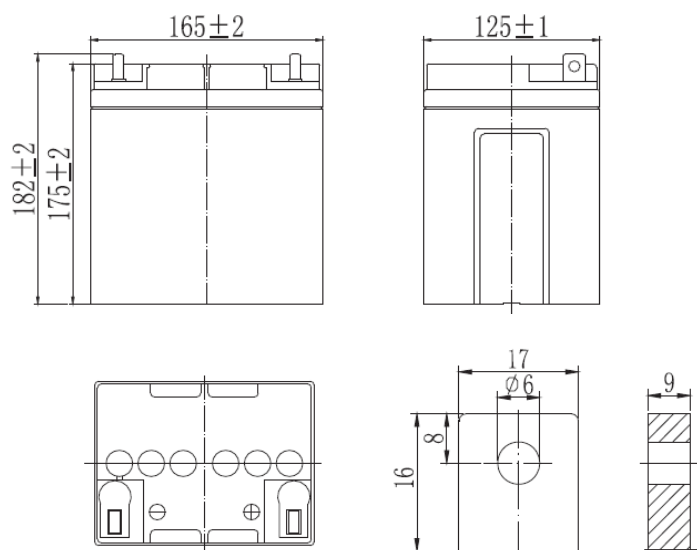


APPLICATIONS

- 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	165 mm
	Width	125 mm
	Height	175 mm
	Total Height	182 mm
Weight	8.60 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	28.0 Ah
	10 hours rate (1.75)	26.0 Ah
	5 hours rate (1.75)	23.8 Ah
	1 hour rate (1.60)	17.6 Ah
Internal Resistance (fully charged, 25°C)	11 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	8.4 A	
Maximum discharge current (25°C)	420 A (5 sec.)	
Short Circuit Current (25°C)	1200 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

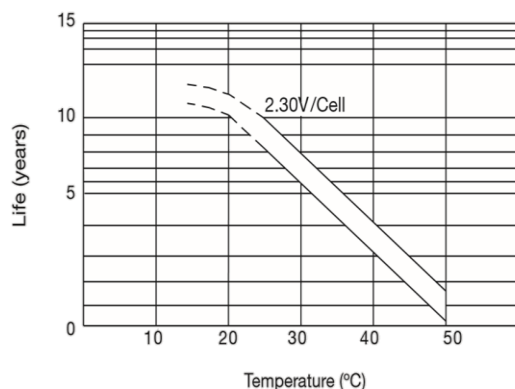
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	101.7	64.8	51.3	28.6	17.6	9.95	7.14	5.71	4.86	3.14	2.64	1.42
1.65V	98.8	62.9	50.1	28.0	17.3	9.89	7.10	5.68	4.83	3.12	2.63	1.42
1.70V	94.7	60.3	48.2	27.2	16.8	9.80	7.05	5.64	4.79	3.10	2.62	1.41
1.75V	90.6	57.7	46.6	26.5	16.5	9.65	7.00	5.60	4.76	3.08	2.60	1.40
1.80V	85.4	54.4	44.1	25.6	16.0	9.41	6.79	5.43	4.62	2.99	2.55	1.37

Discharge Constant Power at 25°C (Watts)

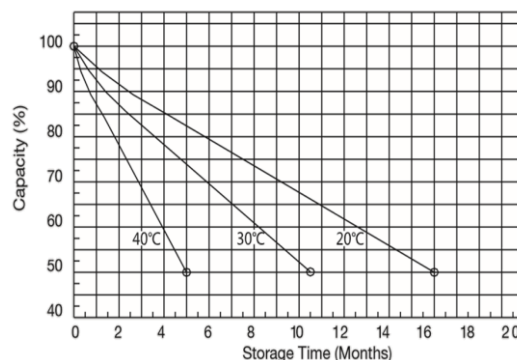
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1144	731	585	328	203	116	84.8	68.0	58.0	37.7	31.7	17.1
1.65V	1109	709	571	321	200	116	84.3	67.6	57.6	37.5	31.6	17.0
1.70V	1064	680	550	312	195	115	83.7	67.2	57.2	37.2	31.4	16.9
1.75V	1019	651	531	304	191	113	83.2	66.7	56.8	37.0	31.2	16.8
1.80V	961	614	503	293	185	110	80.7	64.7	55.1	35.9	30.6	16.5

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

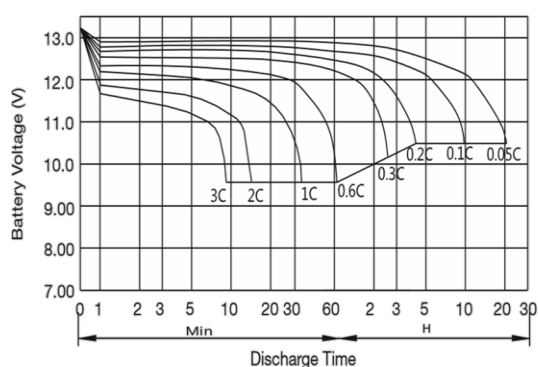
Temperature Effects on Float Life



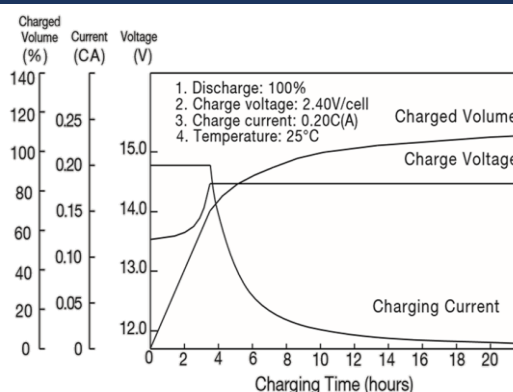
Self Discharge Characteristics



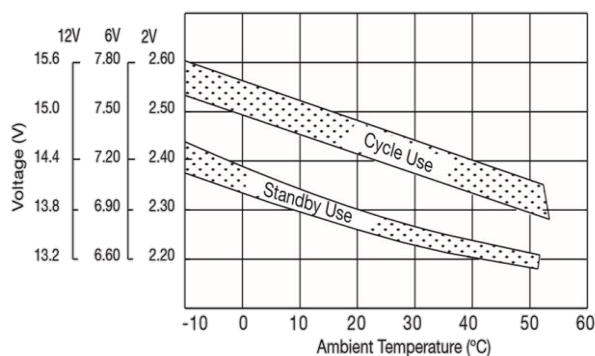
Discharge Characteristics (25°C)



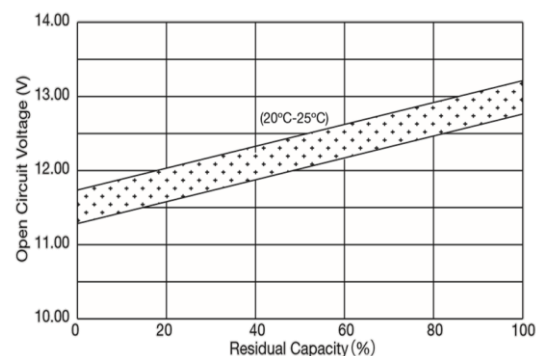
Charging Characteristics (25°C)



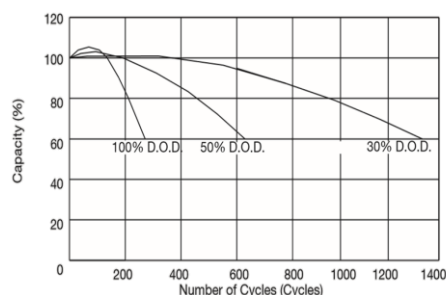
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

