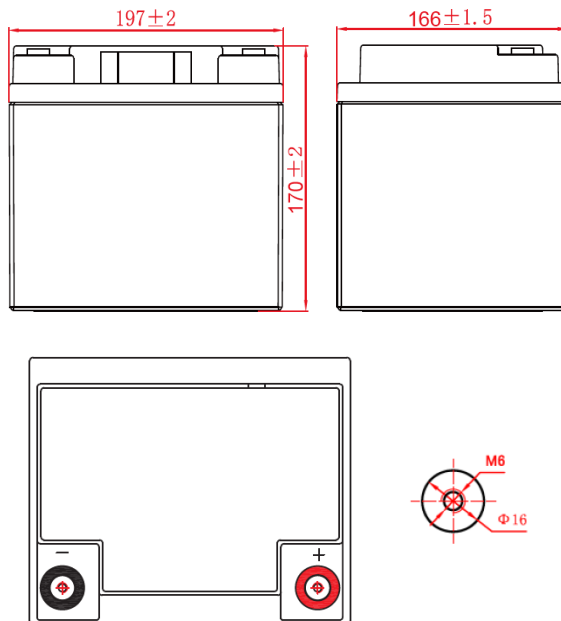


APPLICATIONS

- 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)	12 years	
Dimensions	Length	197 mm
	Width	166 mm
	Height	170 mm
	Total Height	170 mm
Weight	13.4 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	42.4 Ah
	10 hours rate (1.80)	40.8 Ah
	5 hours rate (1.75)	35.9 Ah
	1 hour rate (1.65)	25.7 Ah
Internal Resistance (fully charged, 25°C)	7.5 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	-15°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage	2.25 to 2.30 V/cell at 25°C	
Temperature compensation	-18mV/°C	
Maximum charging current	15 A	
Maximum discharge current (25°C)	500 A (5 sec.)	
Short Circuit Current (25°C)	585 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

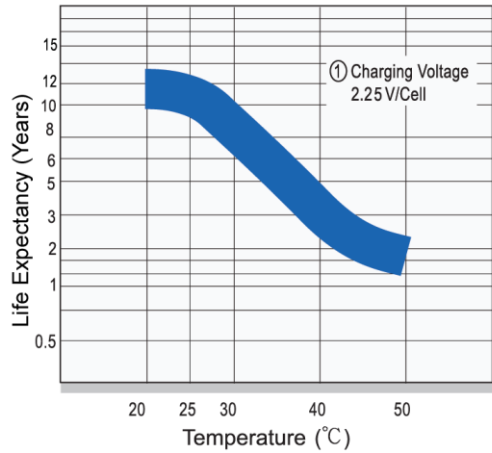
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	90.2	70.7	42.4	32.9	26.3	15.7	11.6	9.41	7.32	6.47	5.05	4.33	2.27
1.65V	89.6	70.1	41.2	32.4	25.7	15.6	11.4	9.29	7.28	6.26	5.02	4.26	2.24
1.70V	88.9	66.2	40.4	31.2	25.2	15.5	11.3	9.02	7.23	6.21	4.97	4.23	2.22
1.75V	88.5	62.6	39.6	30.1	24.9	15.3	11.1	8.71	7.18	6.17	4.94	4.16	2.17
1.80V	87.8	59.8	38.3	29.0	24.6	14.9	10.9	8.55	6.96	5.97	4.80	4.08	2.12

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

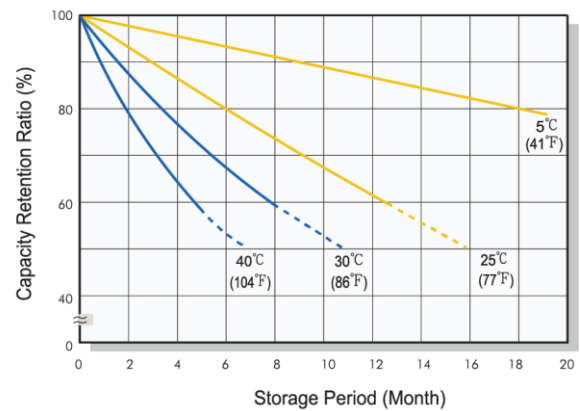
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	162	125	80.0	59.9	52.5	30.4	22.1	17.9	15.2	13.0	10.2	8.74	4.58
1.65V	162	123	78.3	58.3	50.8	30.2	21.5	17.6	14.9	13.0	10.1	8.61	4.57
1.70V	160	122	76.3	56.8	49.4	30.0	21.2	17.1	14.7	12.8	9.99	8.54	4.40
1.75V	159	115	74.3	54.8	49.0	29.5	20.9	16.5	14.6	12.7	9.92	8.39	4.39
1.80V	158	108	72.2	52.8	48.1	28.7	20.6	16.2	14.3	12.3	9.63	8.25	4.28

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

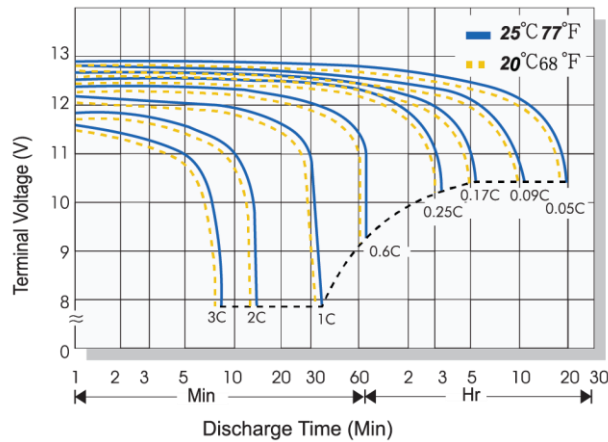
Temperature Effects on Float Life



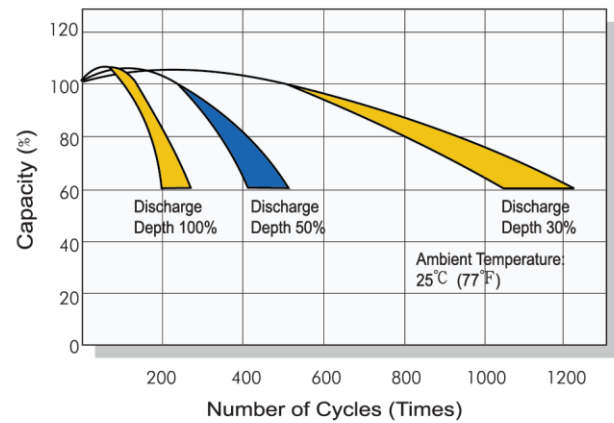
Self Discharge Characteristics



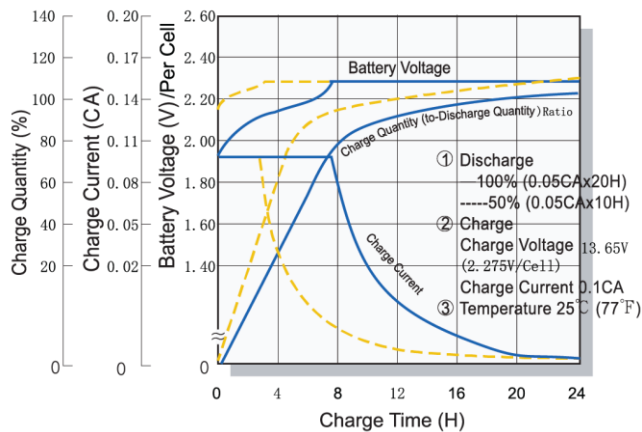
Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Float Charging Characteristics (25°C)



Boost Charging Characteristics (25°C)

