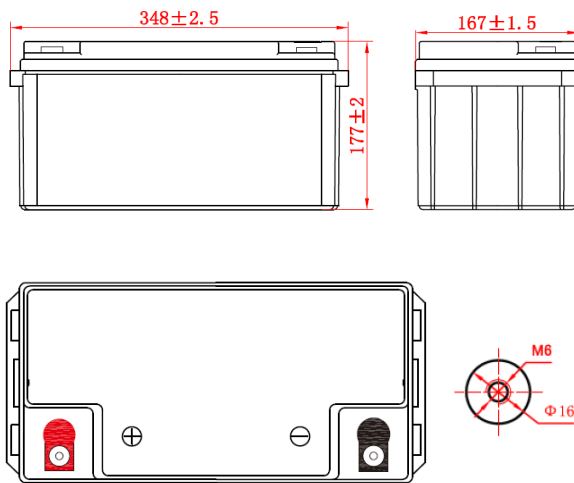


APPLICATIONS

- 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	348 mm
	Width	167 mm
	Height	177 mm
	Total Height	177 mm
Weight	24 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	85.8 Ah
	10 hours rate (1.80)	81.6 Ah
	5 hours rate (1.75)	71.5 Ah
	1 hour rate (1.65)	53.0 Ah
Internal Resistance (fully charged, 25°C)	5.0 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	20 A	
Maximum discharge current (25°C)	800 A (5 sec.)	
Short Circuit Current (25°C)	1040 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

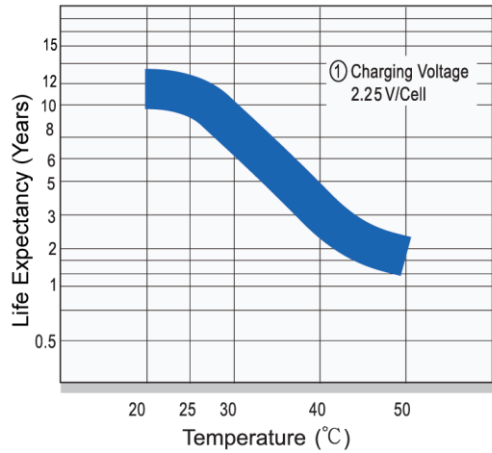
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	194	141	84.8	65.9	53.3	31.5	22.1	18.8	14.7	12.9	10.1	8.65	4.48
1.65V	181	138	83.4	64.8	53.0	31.4	21.8	18.6	14.6	12.6	10.0	8.52	4.44
1.70V	171	132	80.8	62.5	52.8	31.0	21.5	18.0	14.5	12.5	9.96	8.45	4.40
1.75V	158	125	79.2	60.2	52.5	30.6	21.2	17.4	14.3	12.4	9.88	8.31	4.35
1.80V	146	120	76.7	58.0	51.8	29.8	20.9	17.1	14.2	12.0	9.59	8.16	4.29

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

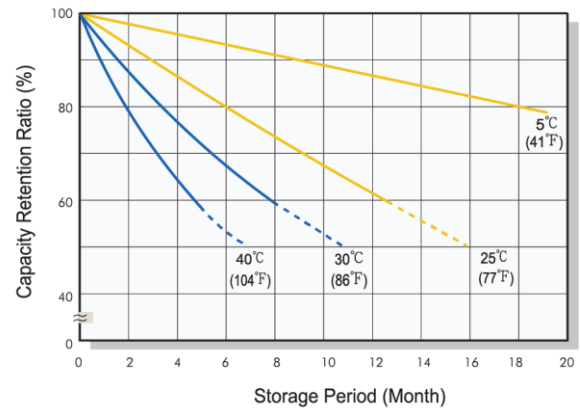
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	321	252	160	121	105	57.1	41.5	36.5	28.8	25.2	19.9	17.5	8.91
1.65V	318	250	157	119	102	56.8	41.0	36.0	28.6	25.0	19.9	17.2	8.87
1.70V	310	247	153	115	99.0	56.2	40.7	35.0	28.5	24.9	19.7	17.1	8.82
1.75V	289	232	149	111	98.0	55.6	40.4	33.8	28.1	24.7	19.6	16.8	8.76
1.80V	269	218	144	107	96.2	53.9	39.8	33.2	27.5	24.4	19.1	16.5	8.64

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

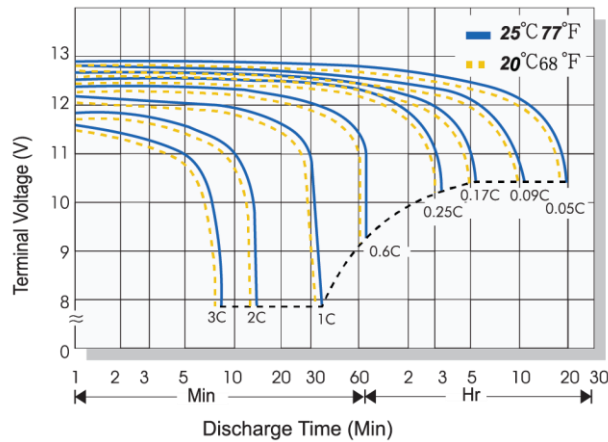
Temperature Effects on Float Life



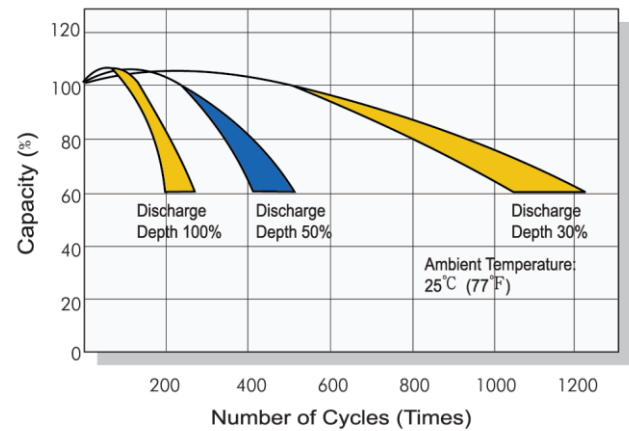
Self Discharge Characteristics



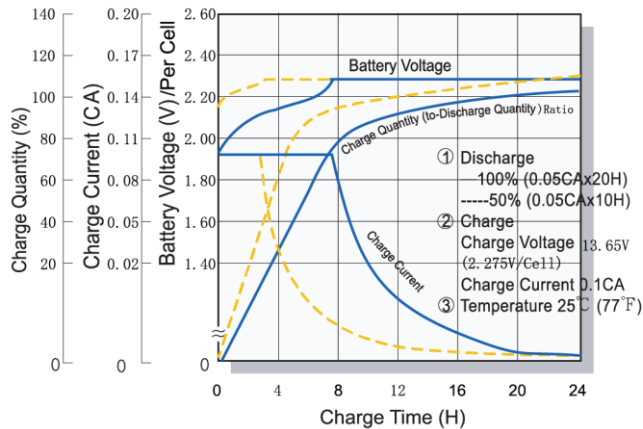
Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Float Charging Characteristics (25°C)



Boost Charging Characteristics (25°C)

