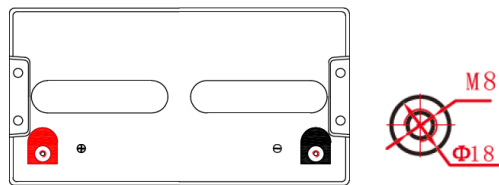
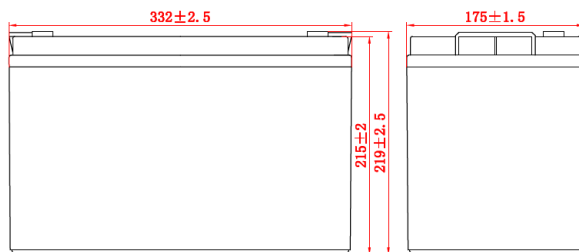


APPLICATIONS

- 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	332 mm
	Width	175 mm
	Height	215 mm
	Total Height	219 mm
Weight		31.8 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	107.8 Ah
	10 hours rate (1.80)	102.0 Ah
	5 hours rate (1.75)	90.5 Ah
	1 hour rate (1.65)	63.8 Ah
Internal Resistance (fully charged, 25°C)		4.0 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		27.5 A
Maximum discharge current (25°C)		1100 A (5 sec.)
Short Circuit Current (25°C)		1200 A

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

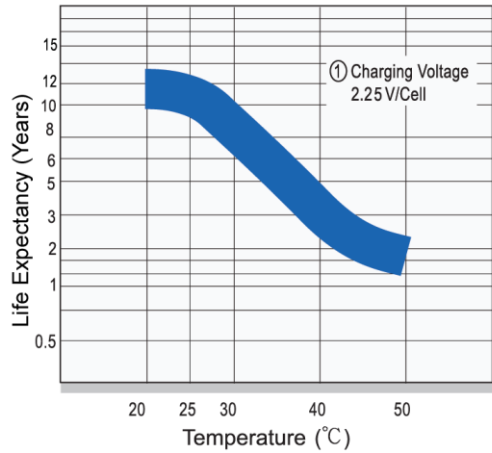
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	245	178	107	82.3	63.9	39.3	28.0	23.5	18.5	16.2	13.1	10.8	5.64
1.65V	233	175	105	81.0	63.8	39.1	27.8	23.2	18.3	15.6	12.9	10.7	5.62
1.70V	215	168	102	78.1	63.6	38.8	27.7	22.6	18.2	15.5	12.7	10.6	5.61
1.75V	199	158	100	75.3	62.9	38.3	27.5	21.8	18.1	15.4	12.6	10.4	5.60
1.80V	184	151	96.8	72.6	62.1	37.3	27.4	21.4	17.5	14.9	12.2	10.2	5.39

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

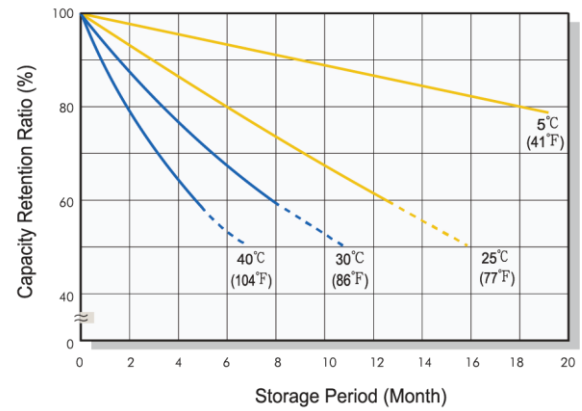
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	406	316	202	148	125	74.6	53.8	44.7	36.0	31.4	25.1	21.7	11.3
1.65V	401	313	198	146	122	74.3	53.4	44.1	35.8	31.2	24.9	21.3	11.3
1.70V	390	308	193	141	119	73.6	53.0	42.9	35.5	30.9	24.7	21.2	11.1
1.75V	365	289	187	136	118	72.5	52.6	41.4	35.3	30.8	24.5	20.8	11.0
1.80V	339	272	182	131	116	70.6	51.8	40.6	34.3	29.8	23.7	20.4	10.8

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

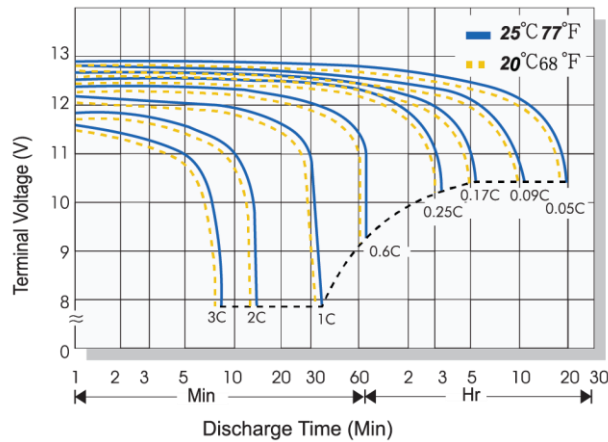
Temperature Effects on Float Life



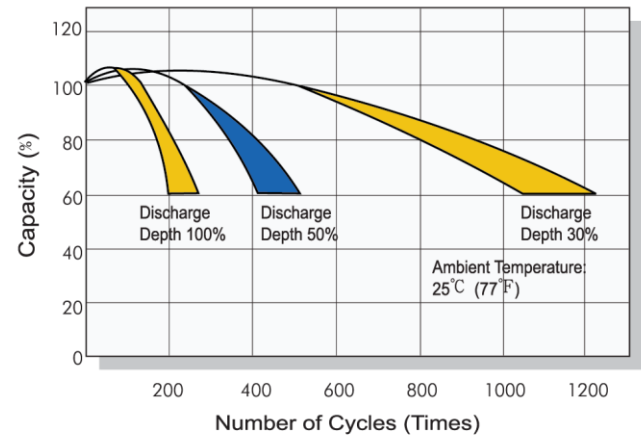
Self Discharge Characteristics



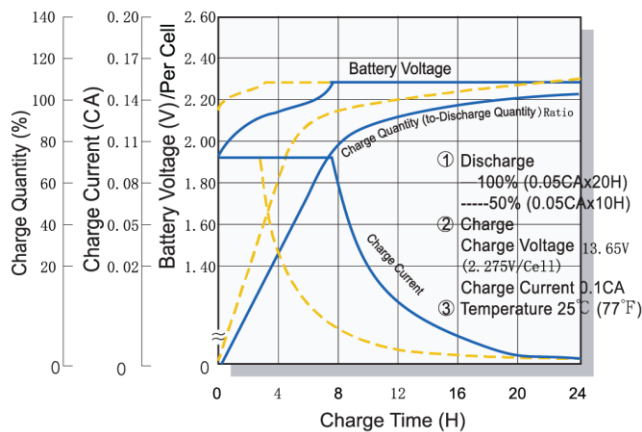
Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Float Charging Characteristics (25°C)



Boost Charging Characteristics (25°C)

