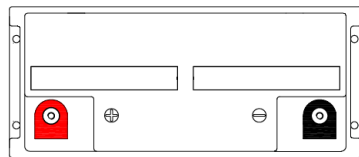
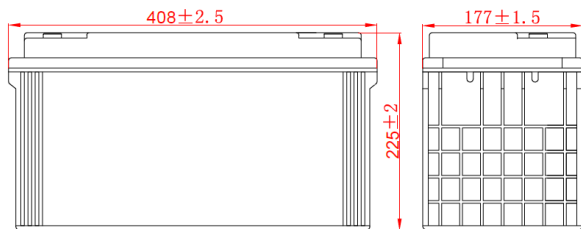


APPLICATIONS

- 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	408 mm
	Width	177 mm
	Height	225 mm
	Total Height	225 mm
Weight		36 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	130.4 Ah
	10 hours rate (1.80)	123.0 Ah
	5 hours rate (1.75)	107.0 Ah
	1 hour rate (1.65)	77.3 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		24 A
Maximum discharge current (25°C)		960 A (5 sec.)
Short Circuit Current (25°C)		1440 A

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

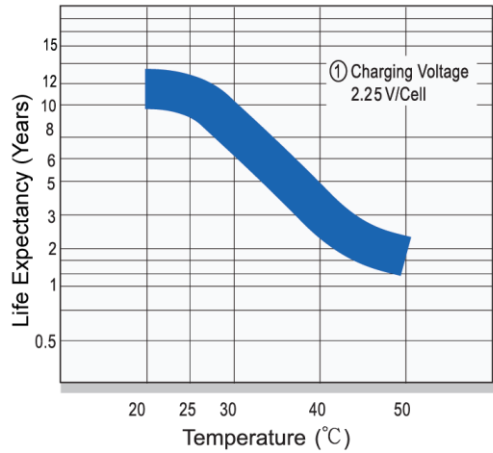
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	296	217	129	98.8	77.4	47.2	33.8	28.2	22.1	19.4	14.9	13.1	6.83
1.65V	280	213	126	96.2	77.3	47.0	33.6	27.9	21.8	18.8	14.7	12.9	6.79
1.70V	261	203	123	93.8	77.0	46.6	33.4	27.1	21.7	18.6	14.6	12.8	6.74
1.75V	241	191	121	90.3	76.2	45.9	33.3	26.1	21.4	18.5	14.5	12.5	6.63
1.80V	223	182	118	87.2	75.3	44.7	33.2	25.7	21.3	17.9	14.1	12.3	6.52

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

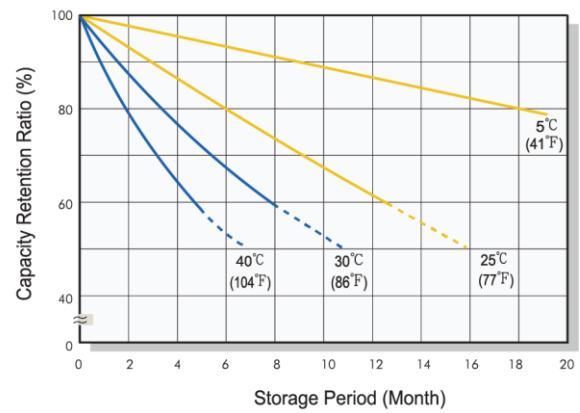
End Voltage (V/cell)	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	488	384	233	178	149	89.6	64.1	53.6	43.1	37.8	29.5	26.0	13.6
1.65V	450	374	229	173	149	89.1	64.0	53.0	42.7	37.4	29.4	25.7	13.5
1.70V	430	361	222	169	148	88.2	63.5	51.4	42.3	37.0	29.2	25.4	13.3
1.75V	398	348	217	163	147	87.0	63.3	49.7	41.9	36.8	29.0	24.9	13.1
1.80V	368	330	212	157	145	84.7	63.1	48.7	41.5	35.5	28.3	24.5	12.9

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

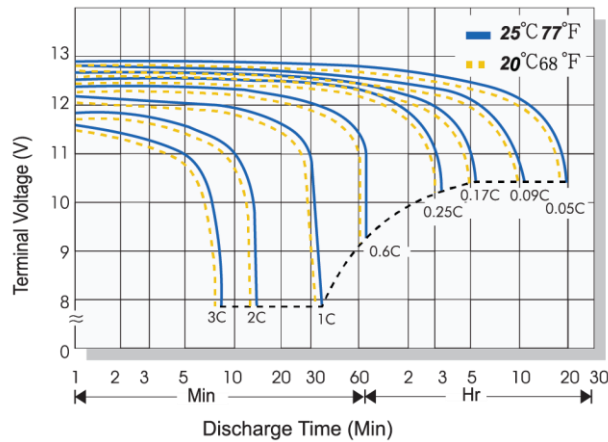
Temperature Effects on Float Life



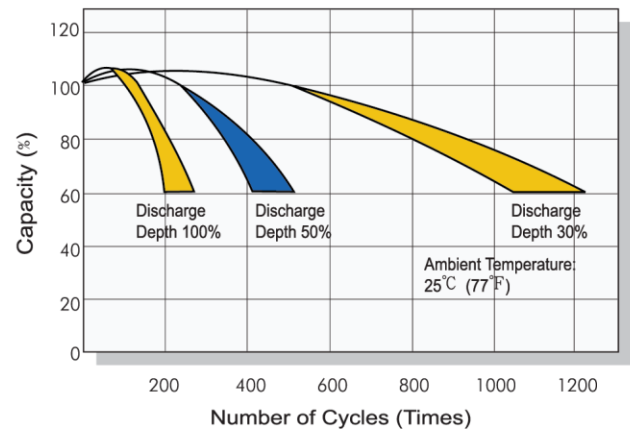
Self Discharge Characteristics



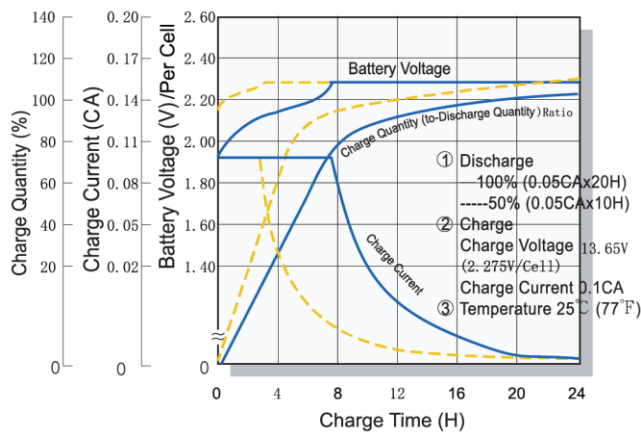
Discharge Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge



Float Charging Characteristics (25°C)



Boost Charging Characteristics (25°C)

