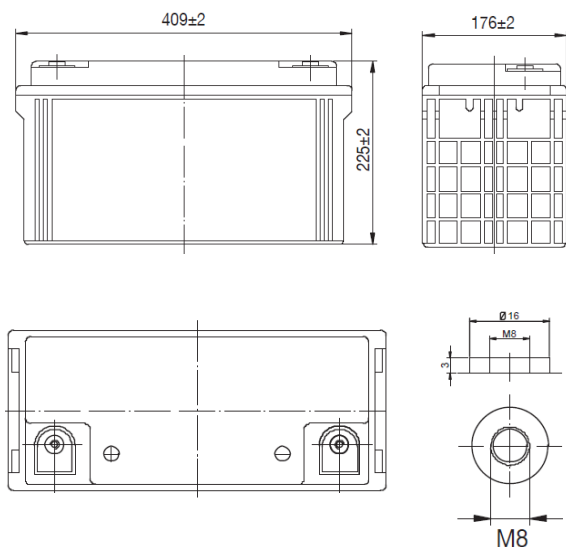


APPLICATIONS

- 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	409 mm
	Width	176 mm
	Height	225 mm
	Total Height	225 mm
Weight		36.0 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	126.0 Ah
	10 hours rate (1.80)	120.0 Ah
	5 hours rate (1.75)	105.0 Ah
	1 hour rate (1.70)	71.4 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	-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
Boost Charging Voltage		2.40 to 2.45 V/cell at 25°C
Temperature compensation		-30mV/°C
Maximum charging current		36.0 A
Maximum discharge current (25°C)		960 A (5 sec.)
Short Circuit Current (25°C)		3020 A

Battery Construction

Component	Positive Plate	Negative Plate	Container & Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

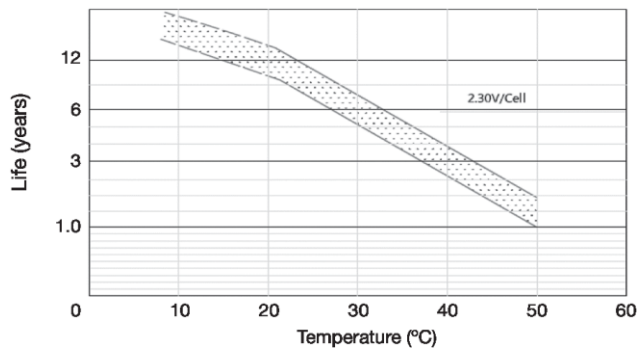
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	194	118	74.4	43.8	30.6	25.1	21.4	18.7	14.7	12.2	6.41
1.65V	189	115	73.3	43.6	30.4	24.9	21.3	18.6	14.6	12.2	6.40
1.70V	182	112	71.4	43.2	30.2	24.8	21.1	18.5	14.5	12.2	6.38
1.75V	176	109	70.0	42.6	30.0	24.6	21.0	18.4	14.4	12.1	6.34
1.80V	167	105	67.9	41.5	29.1	23.9	20.4	17.8	14.0	12.0	6.30

Discharge Constant Power at 25°C (Watts)

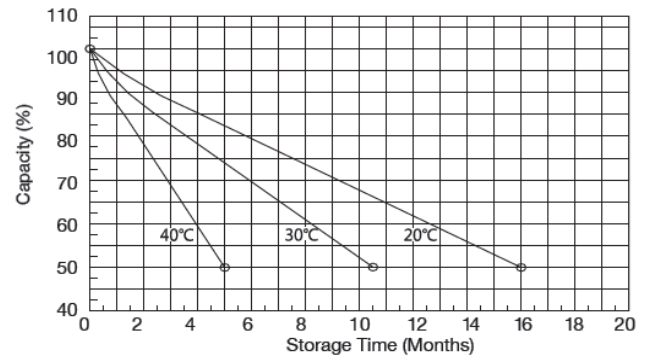
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	2131	1319	848	508	360	295	253	221	174	146	77.0
1.65V	2079	1293	835	505	358	293	252	220	173	146	76.8
1.70V	2003	1253	814	500	355	291	250	219	172	145	76.6
1.75V	1935	1223	798	493	353	289	248	217	171	144	76.1
1.80V	1832	1178	774	480	342	281	241	211	166	143	75.6

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

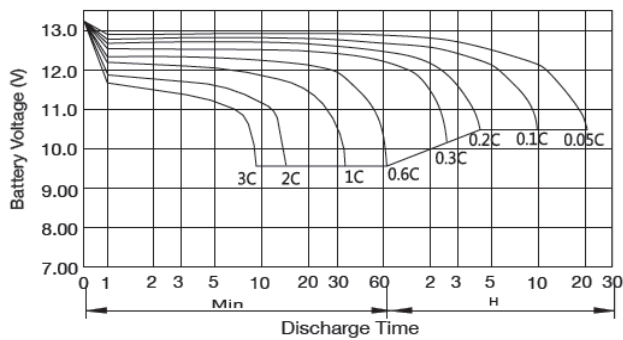
Temperature Effects on Float Life



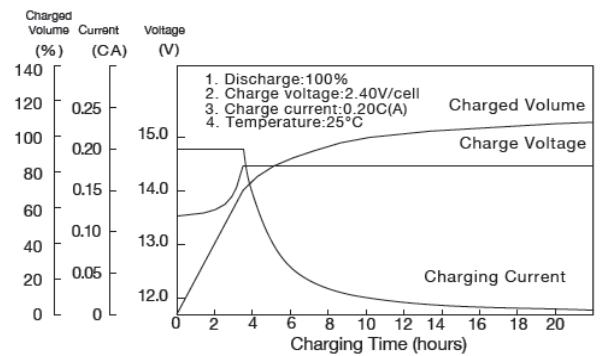
Self Discharge Characteristics



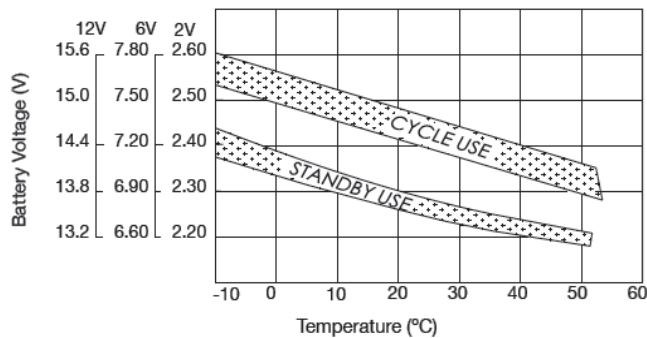
Discharge Characteristics (25°C)



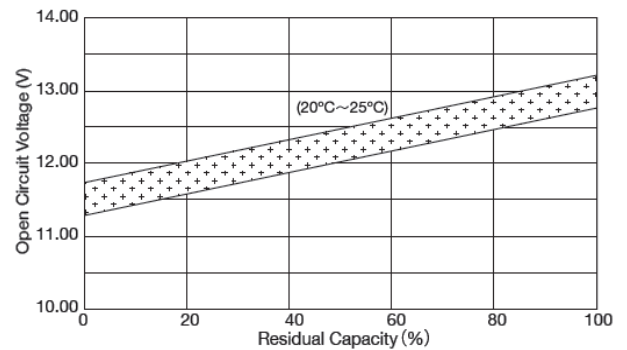
Charging Characteristics (25°C)



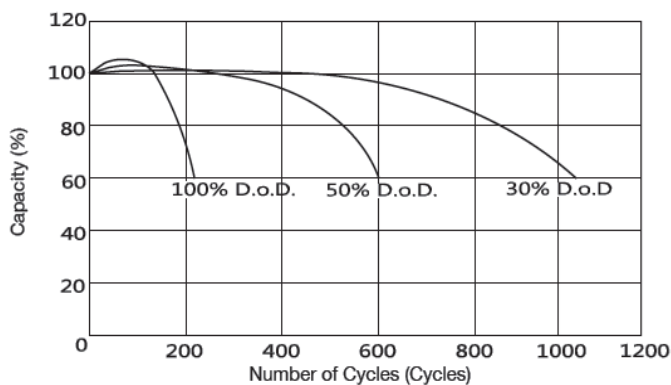
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

