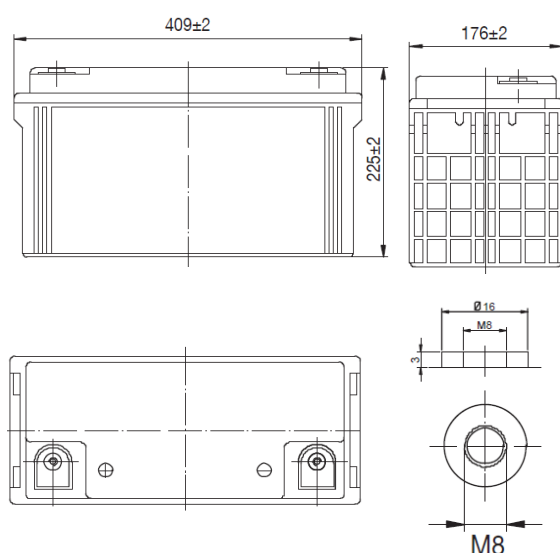


APPLICATIONS

- 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)	10 years	
Dimensions	Length	409 mm
	Width	176 mm
	Height	225 mm
	Total Height	225 mm
Weight	33.5 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 (1.60)	74.4 Ah
Internal Resistance (fully charged, 25°C)	4.00 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)	1080 A (5 sec.)	
Short Circuit Current (25°C)	3108 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)

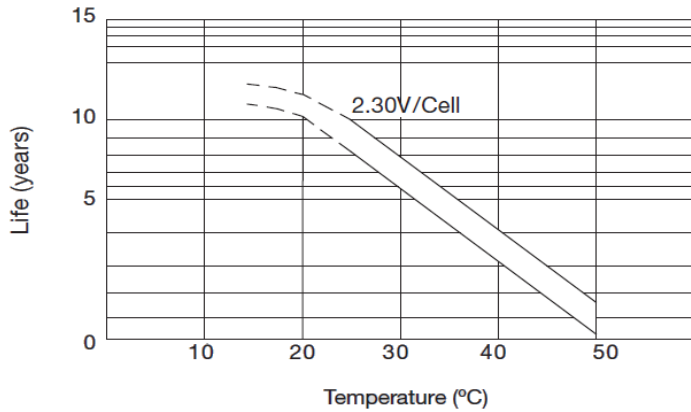
End Voltage (V/cell)	10min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	236	198	120	74.4	43.8	30.6	25.1	21.4	18.7	14.7	12.2	6.41
1.65V	229	193	118	73.3	43.6	30.4	24.9	21.3	18.6	14.6	12.2	6.40
1.70V	220	186	114	71.4	43.2	30.2	24.8	21.1	18.5	14.5	12.2	6.38
1.75V	210	180	111	70.0	42.6	30.0	24.6	21.0	18.4	14.4	12.1	6.34
1.80V	198	170	107	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)

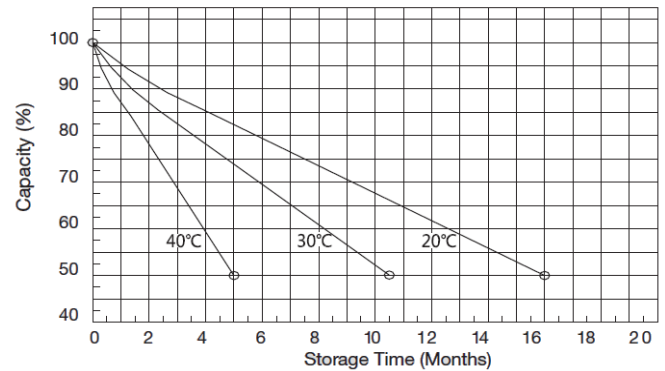
End Voltage (V/cell)	10min	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	2552	2174	1346	848	508	360	295	253	221	174	146	77.0
1.65V	2475	2122	1319	835	505	358	293	252	220	173	146	76.8
1.70V	2373	2044	1279	814	500	355	291	250	219	172	145	76.6
1.75V	2271	1974	1248	798	493	353	289	248	217	171	144	76.1
1.80V	2144	1870	1202	774	480	342	281	241	211	166	143	75.6

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

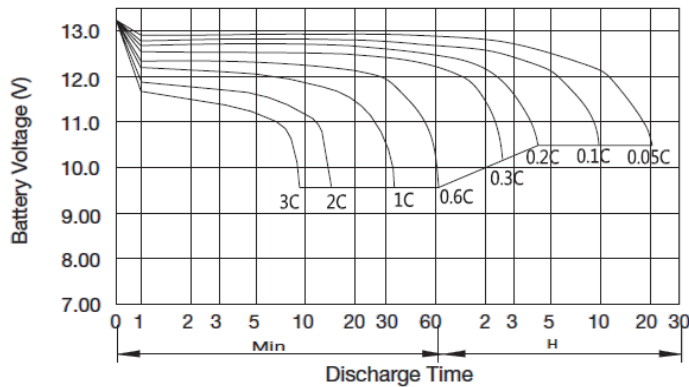
Temperature Effects on Float Life



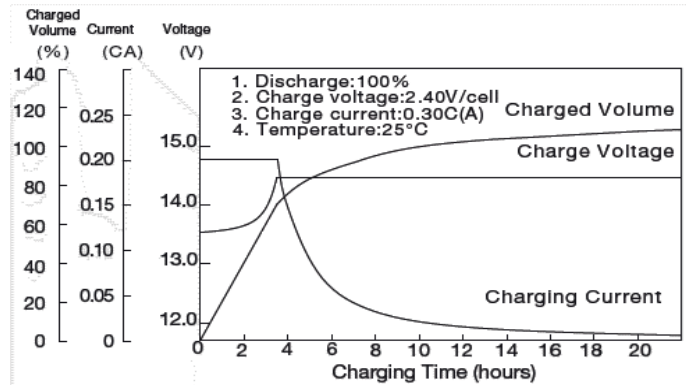
Self Discharge Characteristics



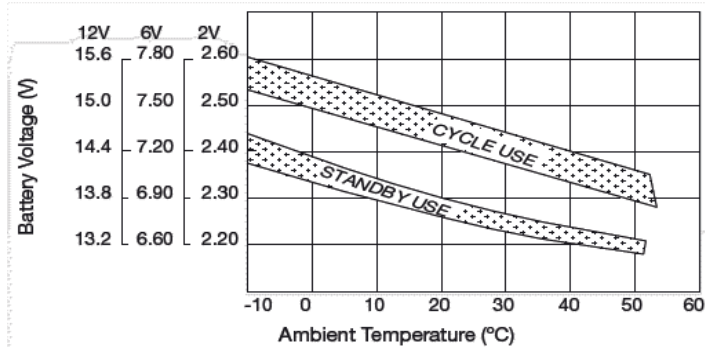
Discharge Characteristics (25°C)



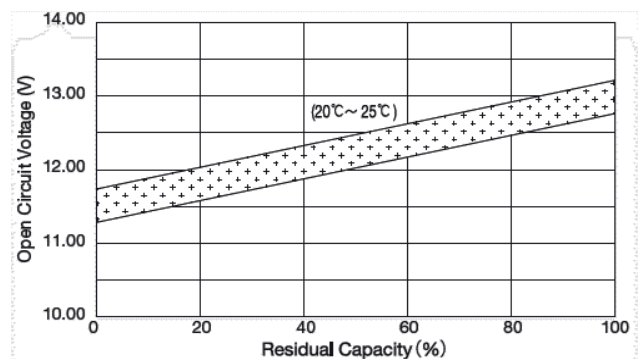
Charging Characteristics (25°C)



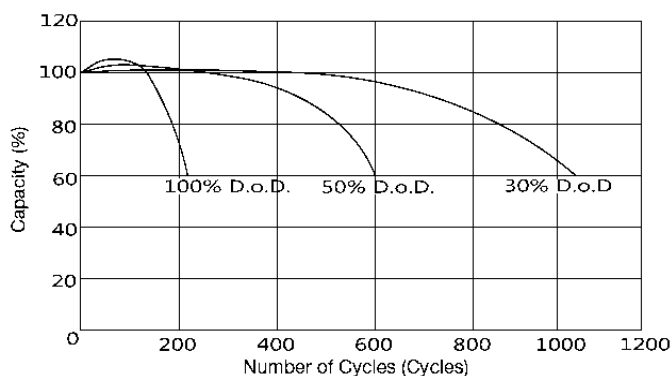
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature effects on capacity

