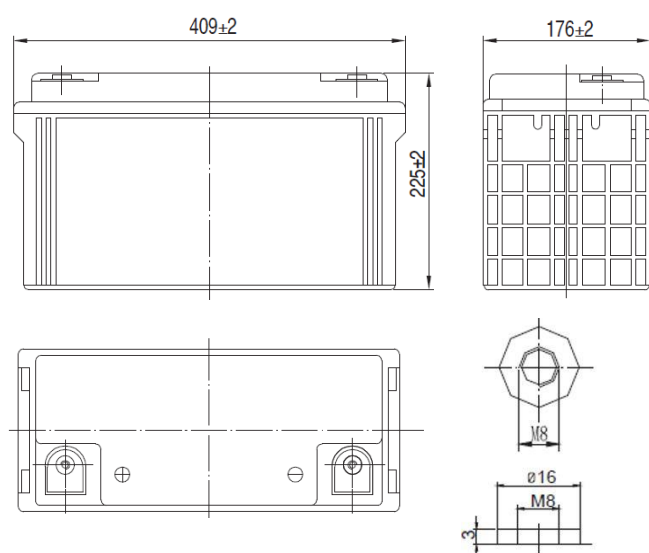


TECHNICAL FEATURES

- Non-spillable maintenance free product
- Non restricted for air transport. Complies with IATA/ICAO Special Provision A67
- UL-recognized component
- Can be mounted in any orientation
- Specially designed lead, calcium tin alloy grid for high power density
- Long service life, float or cyclic applications
- Low self discharge
- Case & cover available in both standard and flame retardant ABS


SPECIFICATIONS

Nominal Voltage		12 V
Number of cells		6
Design Floating Life		12 years
Dimensions	Length	409 mm
	Width	176 mm
	Height	225 mm
	Total Height	225 mm
Weight		34.5 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	132 Ah
	10 hours rate (1.80)	120 Ah
	5 hours rate (1.75)	99.5 Ah
	1 hours rate (1.60)	72.0 Ah
Internal Resistance (fully charged, 25°C)		4.4 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		13.5V to 13.8V
Temperature compensation		-18mV/°C
Cyclic Charging Voltage		14.4V to 14.7V
Temperature compensation		-30mV/°C
Maximum charging current		24.0 A
Maximum discharge current (25°C)		960 A (5 sec.)
Short Circuit Current		3050 A

PERFORMANCE DATA
Discharge Constant Current at 25°C (Amperes)

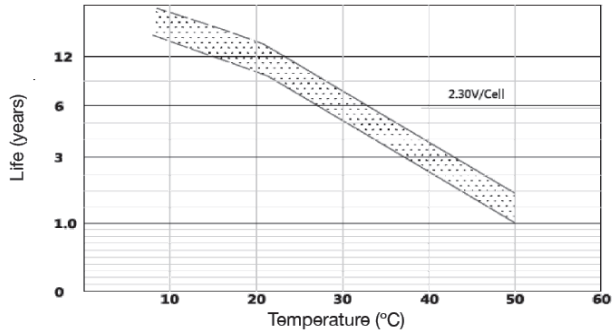
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	182	115	72.0	43.2	29.4	23.3	20.3	14.4	12.2	6.32
1.65 V	178	113	70.9	43.0	29.2	23.1	20.2	14.4	12.2	6.38
1.70 V	171	109	69.1	42.6	29.0	23.0	20.1	14.3	12.2	6.42
1.75 V	166	107	67.8	42.0	28.8	22.8	19.9	14.2	12.1	6.50
1.80 V	157	103	65.7	40.9	27.9	22.1	19.3	13.7	12.0	6.58

Discharge Constant Power at 25°C (Watts)

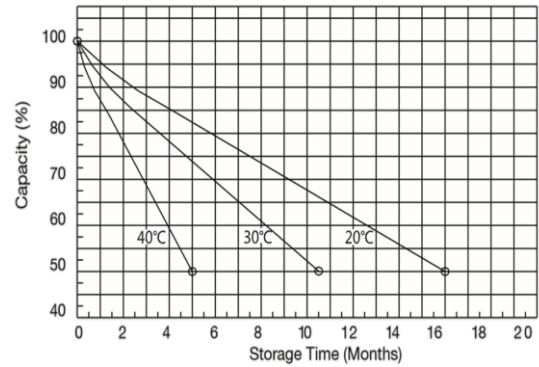
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	2003	1293	821	501	345	273	240	172	146	75.5
1.65 V	1955	1267	808	498	343	272	239	171	146	75.3
1.70 V	1883	1228	788	493	341	270	237	169	145	75.1
1.75 V	1818	1198	772	486	339	268	235	168	144	74.7
1.80 V	1722	1154	749	474	329	260	228	163	143	74.2

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

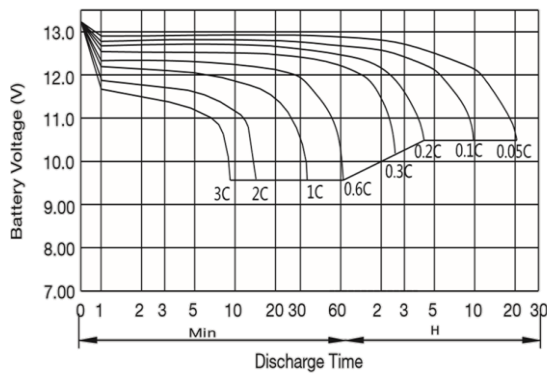
Temperature Effects on Float Life



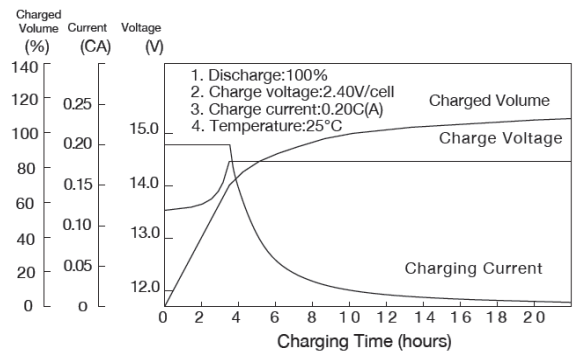
Self Discharge Characteristics



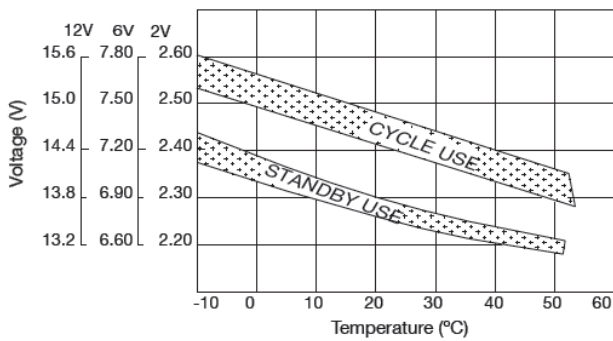
Discharge Characteristics (25°C)



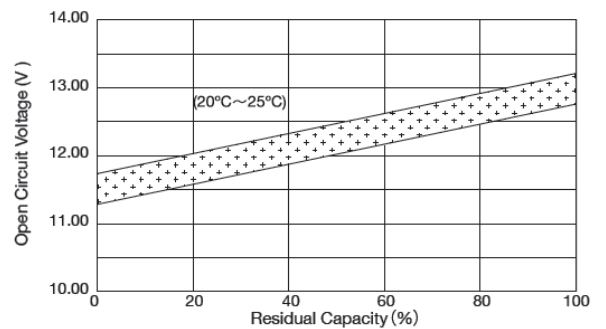
Charging Characteristics (25°C)



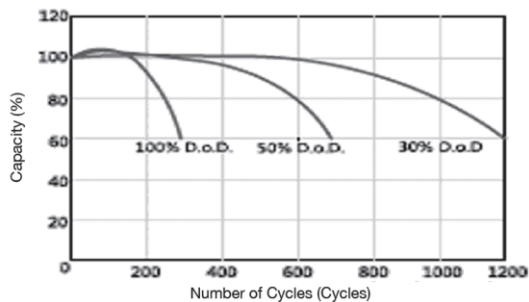
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

