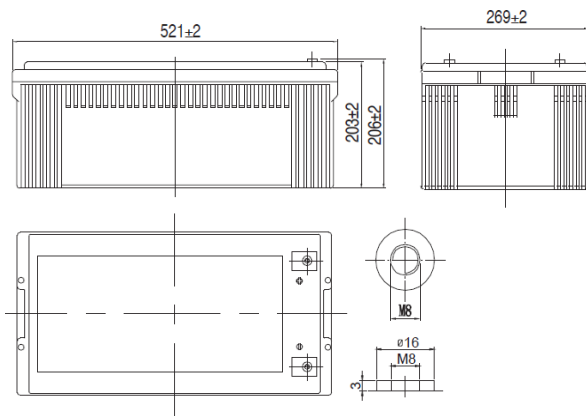


TECHNICAL FEATURES

- 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	521 mm
	Width	269 mm
	Height	203 mm
	Total Height	206 mm
Weight		67.0 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	246 Ah
	10 hours rate (1.80)	230 Ah
	5 hours rate (1.75)	191 Ah
	1 hours rate (1.60)	138 Ah
Internal Resistance (fully charged, 25°C)		3 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		46.0 A
Maximum discharge current (25°C)		1700 A (5 sec.)
Short Circuit Current		4360 A

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

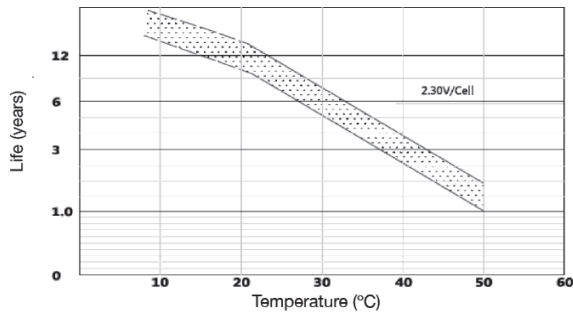
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	350	221	138	82.9	56.3	44.6	38.9	27.7	23.4	13.4
1.65 V	341	216	136	82.4	56.0	44.3	38.7	27.5	23.4	13.1
1.70 V	329	210	132	81.7	55.6	44.0	38.4	27.3	23.3	12.7
1.75 V	317	205	130	80.4	55.2	43.7	38.2	27.1	23.2	12.5
1.80 V	301	197	126	78.4	53.5	42.4	37.0	26.3	23.0	12.3

Discharge Constant Power at 25°C (Watts)

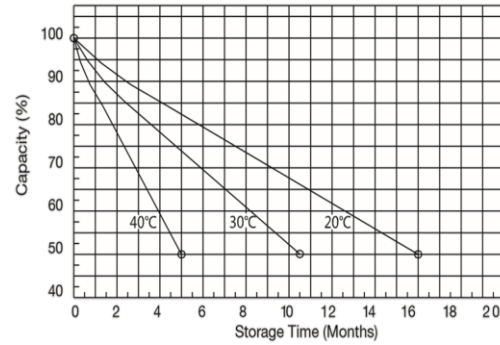
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	3839	2477	1573	960	662	524	460	329	280	145
1.65 V	3746	2428	1550	954	658	521	458	327	279	144
1.70 V	3608	2354	1510	946	654	518	454	325	278	144
1.75 V	3485	2297	1480	931	649	514	451	322	277	143
1.80 V	3301	2212	1435	908	630	498	438	313	275	142

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

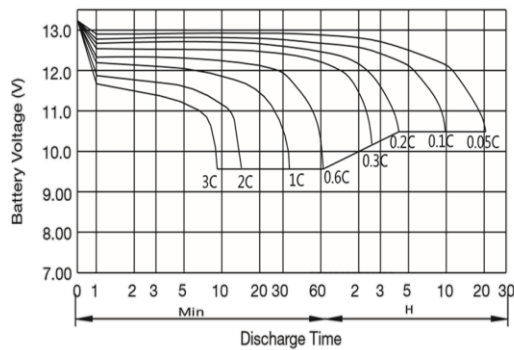
Temperature Effects on Float Life



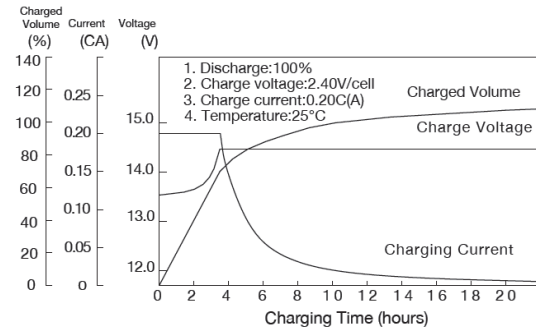
Self Discharge Characteristics



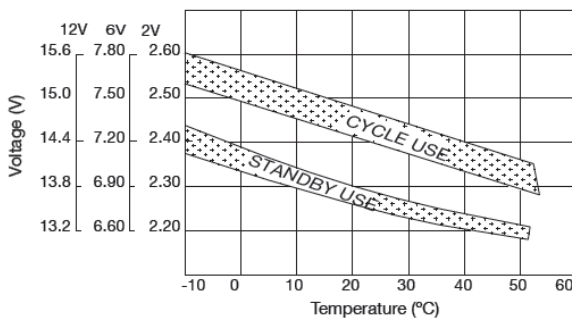
Discharge Characteristics (25°C)



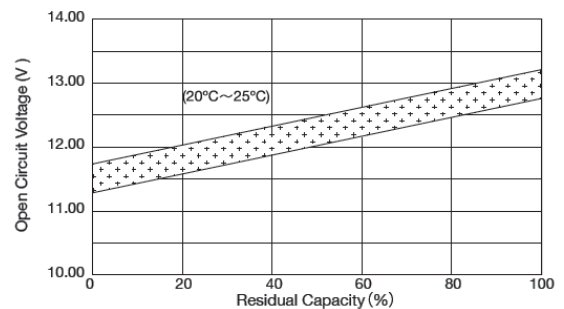
Charging Characteristics (25°C)



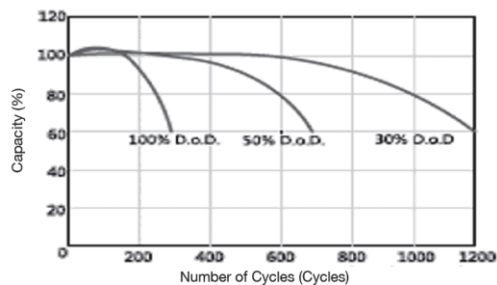
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

