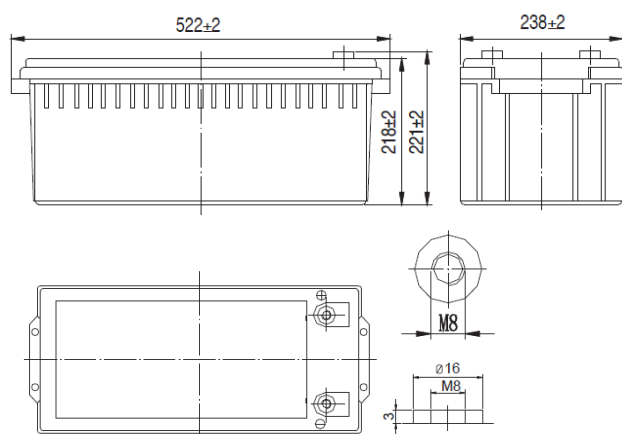


TECHNICAL FEATURES

- 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	522 mm
	Width	238 mm
	Height	218 mm
	Total Height	221 mm
Weight		60.5 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	206 Ah
	10 hours rate (1.80)	200 Ah
	5 hours rate (1.75)	166 Ah
	1 hours rate (1.60)	120 Ah
Internal Resistance (fully charged, 25°C)		3.3 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		40.0 A
Maximum discharge current (25°C)		1500 A (5 sec.)
Short Circuit Current		4050 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	304	192	120	72.1	49.0	38.8	33.9	24.1	20.4	10.5
1.65 V	297	188	118	71.6	48.7	38.5	33.7	23.9	20.3	10.5
1.70 V	286	182	115	71.0	48.3	38.3	33.4	23.8	20.3	10.4
1.75 V	276	178	113	69.9	48.0	38.0	33.2	23.6	20.1	10.4
1.80 V	261	171	109	68.2	46.6	36.9	32.2	22.9	20.0	10.3

Discharge Constant Power at 25°C (Watts)

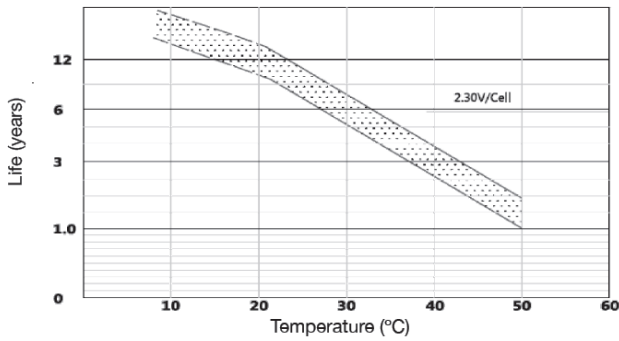
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	3338	2154	1368	835	576	456	400	286	243	126
1.65 V	3258	2111	1347	830	572	453	398	284	243	126
1.70 V	3138	2047	1313	822	568	450	395	282	242	125
1.75 V	3031	1997	1287	810	564	447	392	280	240	124
1.80 V	2871	1924	1248	789	548	433	381	272	239	124

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

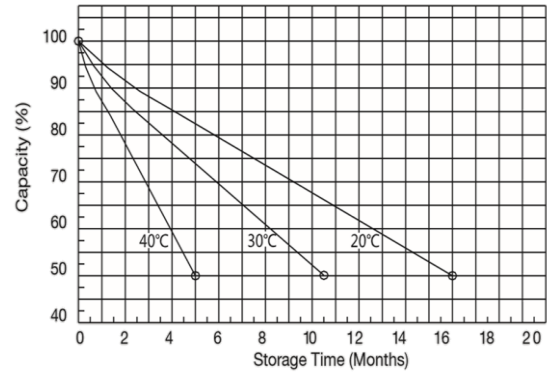
SPG 12V-200Ah

VRLA GEL Battery

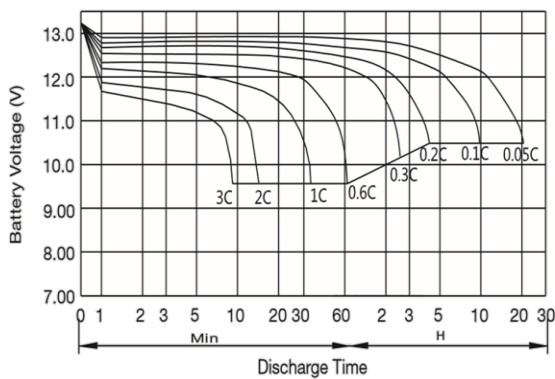
Temperature Effects on Float Life



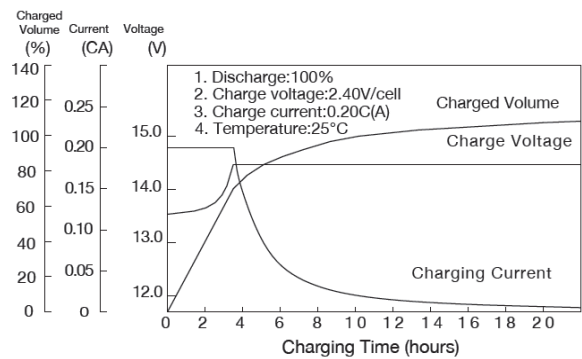
Self Discharge Characteristics



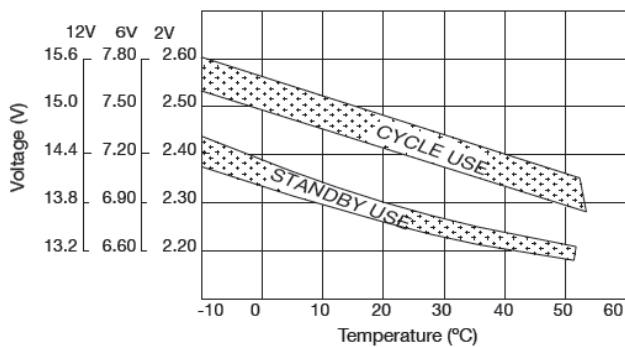
Discharge Characteristics (25°C)



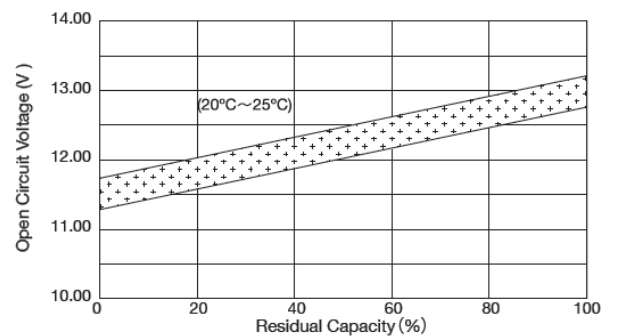
Charging Characteristics (25°C)



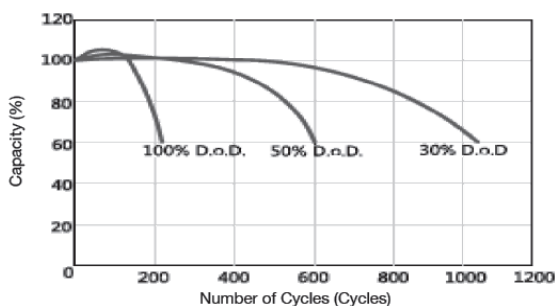
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

