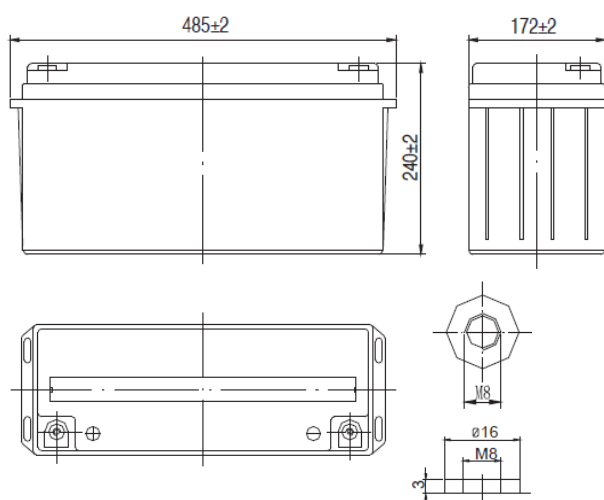


TECHNICAL FEATURES

- 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	485 mm
	Width	172 mm
	Height	240 mm
	Total Height	240 mm
Weight	43.0 kg	
Nominal Capacity (25°C)	20 hours rate (1.80)	155 Ah
	10 hours rate (1.80)	150 Ah
	5 hours rate (1.75)	125 Ah
	1 hours rate (1.60)	90.0 Ah
Internal Resistance (fully charged, 25°C)	3.9 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	30.0 A	
Maximum discharge current (25°C)	1200 A (5 sec.)	
Short Circuit Current	3480 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	228	144	90.0	54.0	36.7	29.1	25.4	18.1	15.3	7.86
1.65 V	223	141	88.7	53.7	36.5	28.9	25.2	17.9	15.2	7.85
1.70 V	214	137	86.4	53.3	36.3	28.7	25.1	17.8	15.2	7.83
1.75 V	207	133	84.7	52.5	36.0	28.5	24.9	17.7	15.1	7.78
1.80 V	196	129	82.1	51.1	34.9	27.6	24.2	17.2	15.0	7.73

Discharge Constant Power at 25°C (Watts)

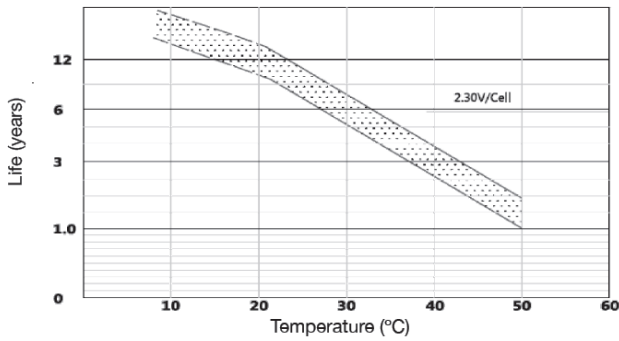
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60 V	2503	1616	1026	626	432	342	300	214	182	94.4
1.65 V	2443	1583	1011	622	429	340	298	213	182	94.2
1.70 V	2353	1535	985	617	426	338	296	212	181	93.9
1.75 V	2273	1498	965	607	423	335	294	210	180	93.3
1.80 V	2153	1443	936	592	411	325	285	204	179	92.7

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

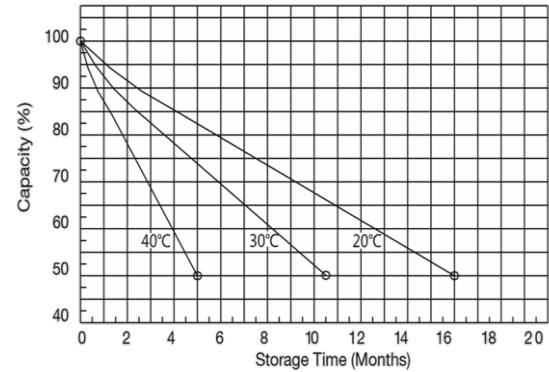
SPG 12V-150Ah

VRLA GEL Battery

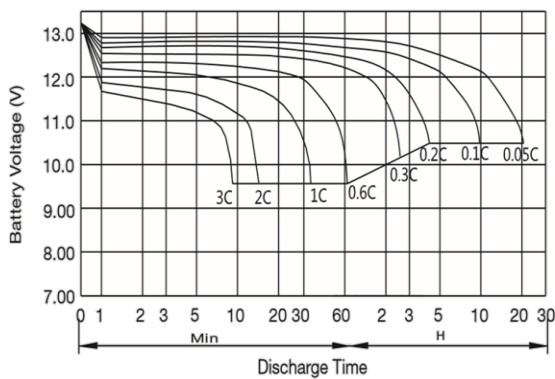
Temperature Effects on Float Life



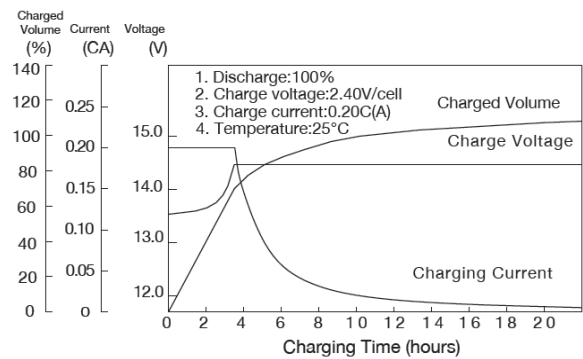
Self Discharge Characteristics



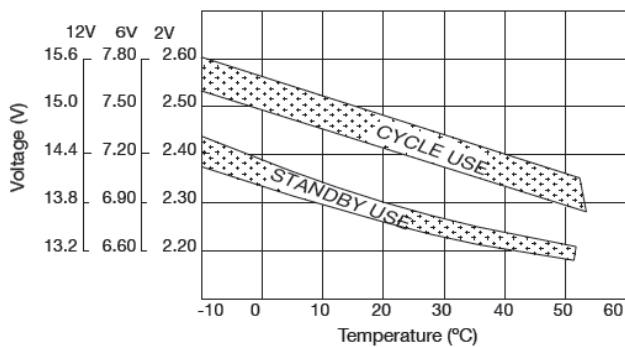
Discharge Characteristics (25°C)



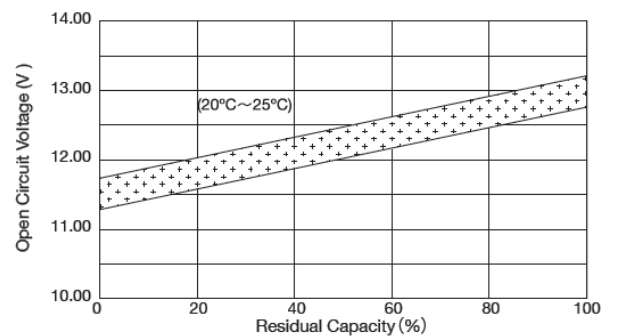
Charging Characteristics (25°C)



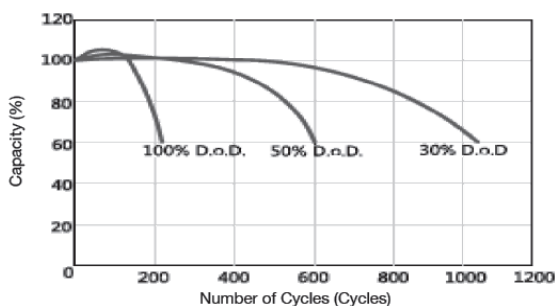
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

