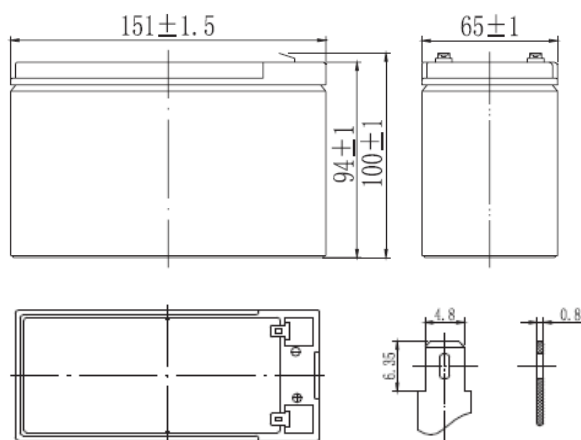


SPA 12V - 7.2Ah

AGM VRLA Battery

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	151 mm
	Width	65 mm
	Height	94 mm
	Total Height	100 mm
Weight	2.20 kg	
Nominal Capacity (25°C)	20 hours rate (1.75)	7.20 Ah
	10 hours rate (1.75)	6.70 Ah
	5 hours rate (1.75)	6.10 Ah
	1 hour rate (1.60)	4.68 Ah
Internal Resistance (fully charged, 25°C)	30 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	
Maximum charging current	2.16 A	
Maximum discharge current (25°C)	108 A (5 sec.)	
Short Circuit Current (25°C)	430 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	27.40	17.30	13.70	7.63	4.68	2.56	1.84	1.47	1.25	0.80	0.68	0.37
1.65V	26.50	16.80	13.40	7.48	4.61	2.54	1.83	1.46	1.24	0.79	0.68	0.36
1.70V	25.40	16.10	12.90	7.25	4.49	2.52	1.81	1.45	1.23	0.79	0.67	0.36
1.75V	24.40	15.40	12.40	7.07	4.40	2.48	1.80	1.44	1.22	0.78	0.67	0.36
1.80V	23.00	14.50	11.80	6.82	4.27	2.42	1.75	1.40	1.19	0.76	0.66	0.35

Discharge Constant Power at 25°C (Watts)

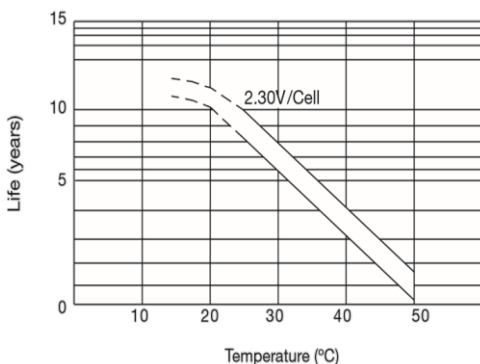
End Voltage (V/cell)	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	305.00	195.00	156.00	87.50	54.20	29.90	21.80	17.50	14.90	9.69	8.16	4.38
1.65V	296.00	189.00	152.00	85.70	53.40	29.70	21.70	17.40	14.80	9.62	8.12	4.37
1.70V	284.00	181.00	147.00	83.10	52.00	29.50	21.50	17.30	14.70	9.56	8.08	4.35
1.75V	272.00	173.00	142.00	81.10	51.00	29.00	21.40	17.20	14.60	9.49	8.04	4.32
1.80V	256.00	164.00	134.00	78.10	49.40	28.30	20.70	16.60	14.20	9.23	7.87	4.23

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

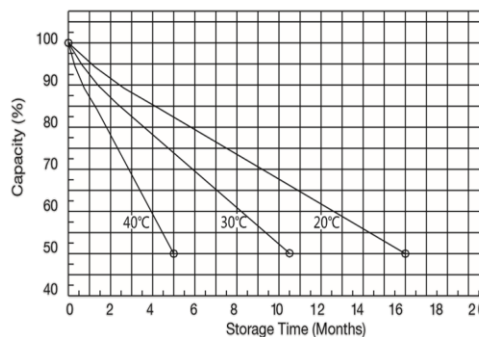
SPA 12V - 7.2Ah

AGM VRLA Battery

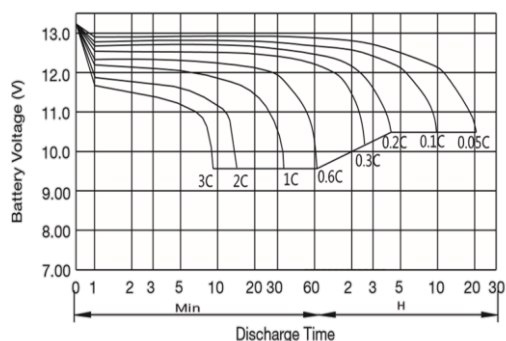
Temperature Effects on Float Life



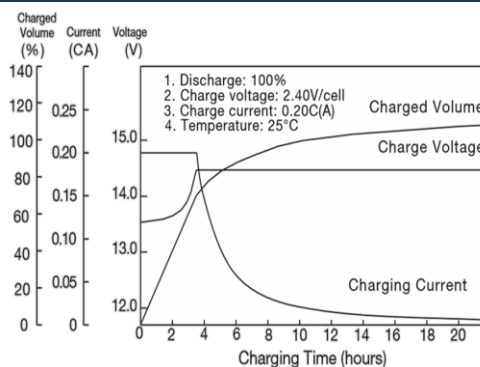
Self Discharge Characteristics



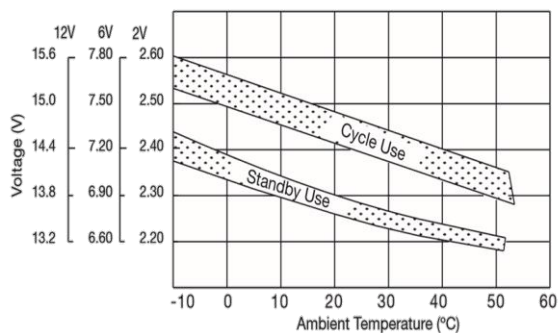
Discharge Characteristics (25°C)



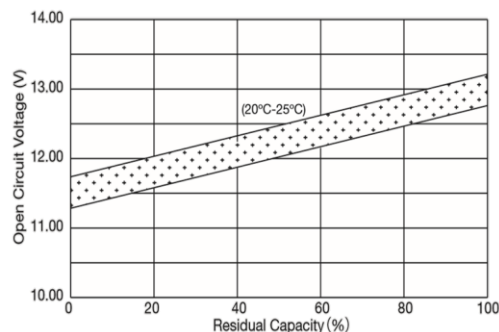
Charging Characteristics (25°C)



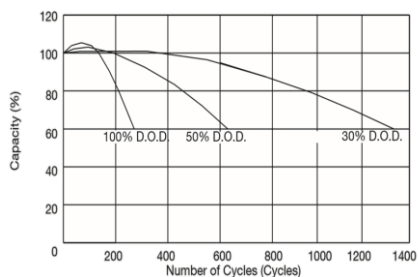
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

