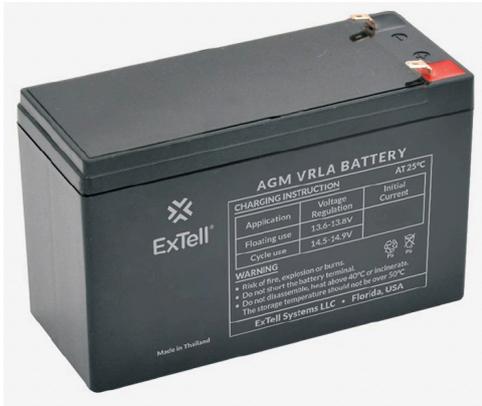
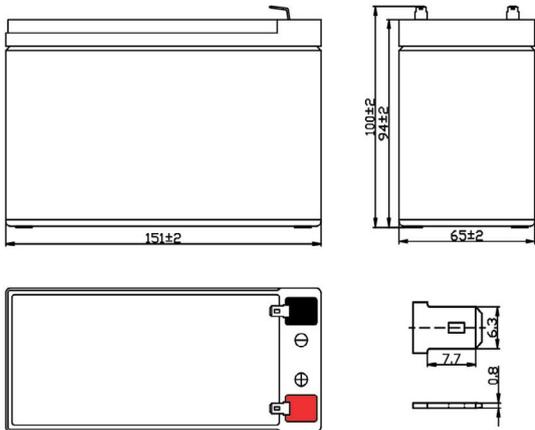


# AGM VRLA Battery 12V 7AH



## Parameter Chart

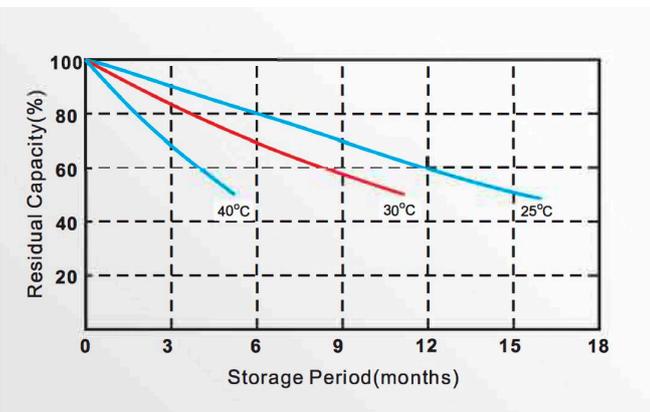
Volts		12V/7Ah	
Design Service Life	25°C	6 years	
Self Discharge	25°C	<3% per month	
Container Material	ABS		
Internal Resistance	Full Charged Battery 25°C	24mΩ	
Maximum Charge Current		2.16A	
Operating Temperature Range	Discharge	-20 to 50°C	
	Charge	-20 to 40°C	
	Storage	-20 to 40°C	
Rated Capacity (25°C)	6.10Ah	5HR, 1.22A, 10.5V	
	5.55Ah	3HR, 1.85A, 10.2V	
	4.25Ah	1HR, 4.25A, 9.6V	
Charge (Constant Voltage) (25°C)	Cycle (25°C)	Initial Charging Current less than 1.8A Voltage 14.5 ~ 14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx.)	2.05Kg		
Dimensions (in mm)	151 (L) x 65 (W) x 100 (H)		



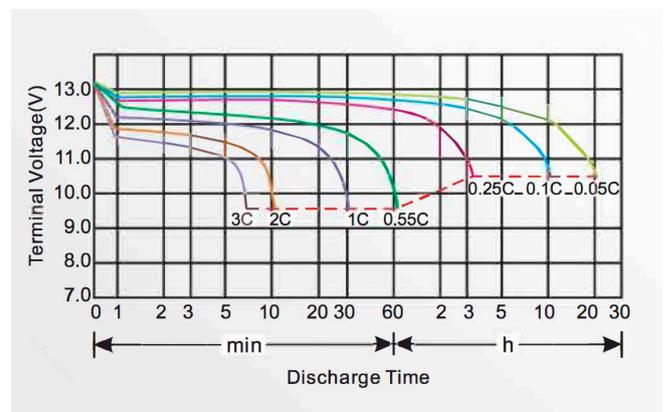
Unit:(mm) Terminal type:(F2)

\*The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

## Residual Capacity

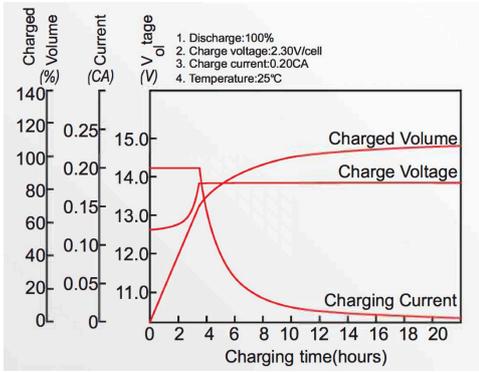


## Discharge Current 25°C

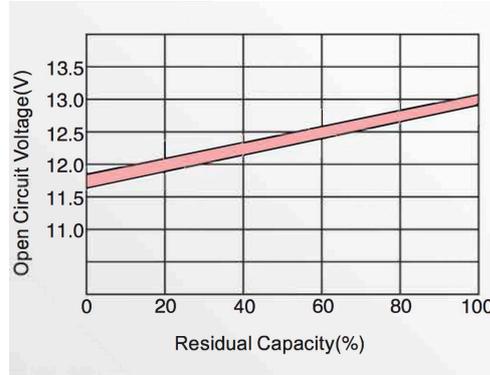


# AGM VRLA Battery 12V 7AH

## Constant Voltage Charging Characteristics



## OCV and Capacity (25C)



## Constant Current Discharge Characteristics (Ampere (A), 25°C)

F.V/ Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	25.5	16.0	13.0	7.4	4.25	2.45	1.89	1.27	0.848	0.720	0.375
10.2V	23.8	15.4	12.4	7.1	4.14	2.42	1.85	1.24	0.836	0.710	0.365
10.5V	22.6	15.0	11.8	6.88	4.06	2.39	1.82	1.22	0.828	0.703	0.360
10.8V	21.3	14.4	11.5	6.73	3.99	2.34	1.80	1.20	0.820	0.695	0.355

## Constant Power Discharge Characteristics (Watt (W), 25°C)

F.V/ Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	280.5	179.2	145.9	83.3	47.9	28.2	22.2	15.0	10.09	8.60	4.51
10.2V	262.6	172.5	139.1	79.9	46.9	28.0	21.7	14.7	9.95	8.48	4.39
10.5V	250.0	168.0	132.2	77.3	46.3	27.7	21.4	14.5	9.85	8.39	4.33
10.8V	234.0	161.3	128.8	75.7	45.6	27.1	21.2	14.2	9.76	8.30	4.27

## Capacity Factors With Different Temperature

Battery Type	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery 12V	50%	70%	83%	87%	90%	98%	100%	102%	104%	105%

\*The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

## Ordering Information

E120073V	ExTell AGM VRLA Battery 12V 7Ah, Black
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