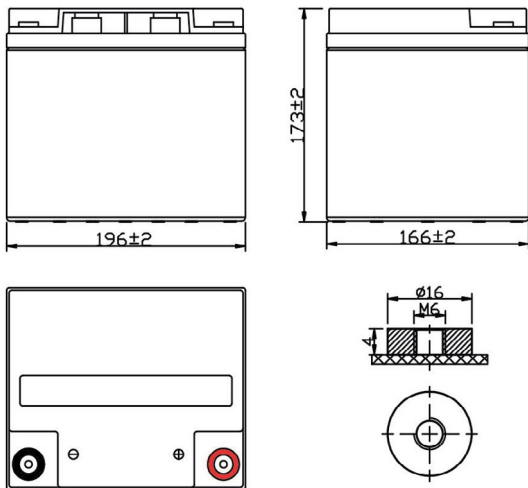


ExTell Gel VRLA Battery 12V 45AH



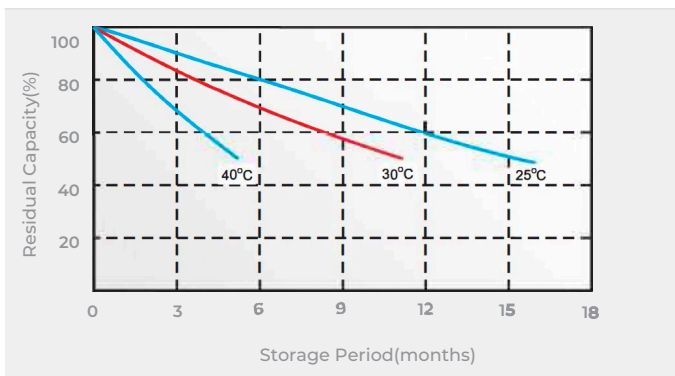
Unit:(mm) Terminal type:(T1)

Parameter Chart

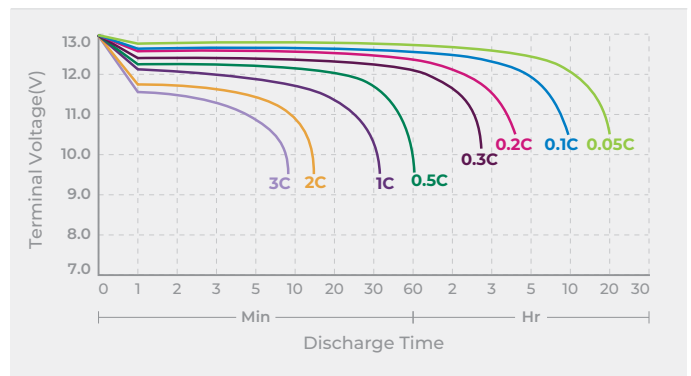
Volts		12V
Capacity (25°C)	20 Hours Rate (2.0A)	45Ah
Discharge Current Testing (25°C)	20 I ₂₀ Rate (40A, 27 Min)	35Min
	60 I ₂₀ Rate (120A, 7 Min)	8Min
Internal Resistance	Full Charged Battery 25°C	9mΩ
	40°C	104%
	25°C	100%
	0°C	83%
Capacity Affected By Temperature	-15°C	65%
	Capacity After 3 Months Storage	91%
	Capacity After 6 Months Storage	82%
Residual Capacity (25°C)	Capacity After 12 Months Storage	65%
	Charge (Constant Voltage) (25°C)	Initial Charging Current less than 12A Voltage 14.5 ~ 14.9V
Cycle (25°C)	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx.)	14.3Kg	
Dimensions (in mm)	196(L) x 166(W) x 173(H)	

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

Residual Capacity

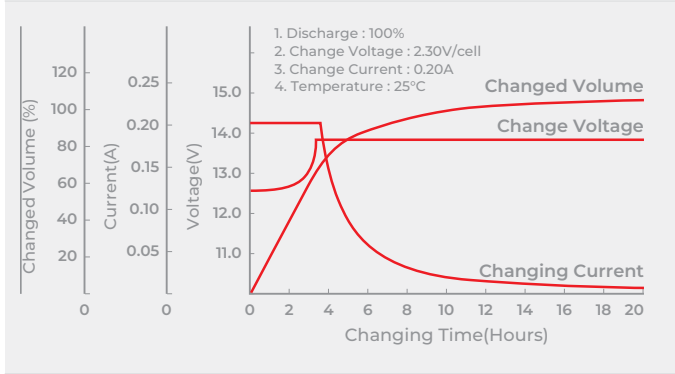


Discharge Current 25°C

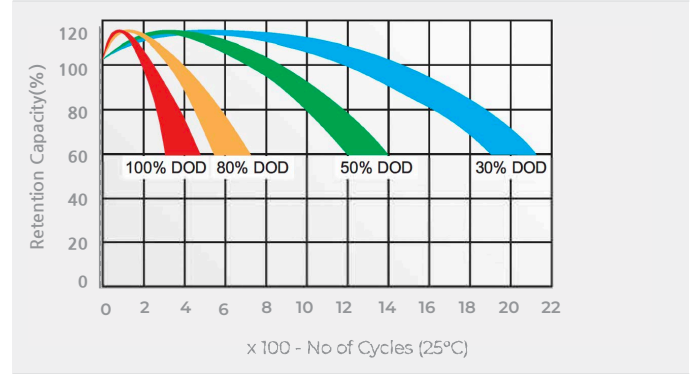


ExTell Gel VRLA Battery 12V 45AH

Constant Voltage Charging Characteristics



Cycle Service Life



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

F.V/ Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	126.5	84.2	68.1	42.5	26.5	14.9	11.7	7.7	5.2	4.35	2.30
10.2V	111.3	79.5	65.4	40.5	25.5	14.6	11.55	7.6	5.13	4.30	2.27
10.5V	103.5	76.1	63.8	39.3	24.8	14.4	11.38	7.51	5.0	4.25	2.25
10.8V	97.5	72.8	61.5	38.2	24.0	14.1	11.2	7.4	4.9	4.20	2.17

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

F.V/ Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1320.6	896	735.6	478.1	299.5	172.8	137.5	91.2	61.8	51.9	27.6
10.2V	1175.0	852.2	712.6	455.6	288.2	169.4	135.7	90.1	60.9	51.3	27.2
10.5V	1125.8	823.6	700.5	442.1	280.2	167.0	133.7	89.0	59.4	50.7	27.0
10.8V	1082.5	803.5	676.5	429.8	271.2	163.6	131.6	87.7	58.2	50.1	26.0

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%	85%	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

E120452G	ExTell Gel VRLA Battery 12V 40Ah, Gray
E120453G	ExTell Gel VRLA Battery 12V 40Ah, Black

