

Calculation of Kilowatt Hour Capacity

FORMULA

$$\frac{\text{No. Cells} \times \text{A.H. Capacity} \times \text{Average Discharge Voltage}}{1000}$$

1.937 ADV

SAMPLE CALCULATION

Assume we want to calculate the K.W.H. of an 18-75-21 battery.

$$\frac{\text{No. Cells (18)} \times \text{A.H.C. (75 X 10 No. Pos. Plates)} \times (\text{ADV 1.937})}{1000}$$

OR

$$18 \times 750 \times 1.937 = \frac{26149}{1000} = 26.1495 \text{ approx. KWH}$$