

We are looking at purchasing the Optima Yellow Top 75/35-925 SC75DU batteries. Are these batteries acceptable?

Thanks,

Conrad Kersten

Also what happened the battery calculations?

They are 35lbs a piece, if you only use one your OK, but two will be 70lbs total (you have to under 67lbs for class 1 or 2)

To use these batteries in Class 3 you will have to calculate the Watt Hours at the C20 discharge rate. Two batteries cannot exceed 1126.5 Watt Hours

Can you explain the calculation rate for coming to terms at 1126.5 Watt Hours?

Dave

I think the rules say 1126.4 instead of 1126.5. The number was derived based on the optima reds which are rated at 12.8v and 44 a/h.

$$12.8 \text{ v} * 44 \text{ A/h} = 563.2$$

$$\text{X 2 batteries} = 1126.4 \text{ w/h}$$

When determining watt/hours, do we use the nominal voltage of 12.0?

12.8 as I understand it.