



## Energy Density Calculations

Watt hours per kilogram (kg)

### 600 Ah 24 Volt battery

Discharge Rate	Watt Hrs Discharged	Weight (kg)	Wh / kg
20 hour rate	16,708.87	760	22
10 hour rate	15,838.20	760	20.84
5 hour rate	14,409.60	760	18.96

### 700 Ah 24 Volt battery

Discharge Rate	Watt Hrs Discharged	Weight (kg)	Wh / kg
20 hour rate	19,350.60	780	24.81
10 hour rate	18,593.73	780	23.84
5 hour rate	17,074	780	21.89

Watt hours per pound

**600 Ah 24 Volt battery**

<b>Discharge Rate</b>	<b>Watt Hrs Discharged</b>	<b>Weight (lbs)</b>	<b>Wh / lb</b>
20 hour rate	16,708.87	1672	9.99
10 hour rate	15,838.20	1672	9.47
5 hour rate	14,409.60	1672	8.62

**700 Ah 24 Volt battery**

<b>Discharge Rate</b>	<b>Watt Hrs Discharged</b>	<b>Weight (lbs)</b>	<b>Wh / lb</b>
20 hour rate	19,350.60	1716	11.28
10 hour rate	18,593.73	1716	10.84
5 hour rate	17,074	1716	9.95