

For solving the problem of how many Voltorbs it would take to power Jubilife Village, there are three subproblems. How much power a single Voltorb produces, how many households there are in Jubilife Village, and what is the power drain of a single household.

For solving how much power a single Voltorb produces, I'm going to base my estimations on the electric type move thunderbolt. An average voltage for a lightning bolt is 100 kV and since a thunderbolt in pokemon is seen to cause paralysis and unconsciousness but not burns we can estimate the current to be 100 mA. These estimations would put the power output of a Voltorb at 10 kW of power.

For how many households in Jubilife Village there are, I am going to look to National Geographic. National Geographic says that some geographers define a village as having between 500 and 2500 inhabitants. Based on the US average number of people per household being 2.5, the lower end of number of households would be 200 households and the upper end would be 1000 households.

For the question of the power drain of a single household, I am going to base it on the average power drain of a US household which is 893 kW per month and 29.766 kW per day which I will round up to 30 kW per day. Which would make it necessary to have 3 voltorbs per household.

Finally, the amount of voltorbs needed to power Jubilife Village is 600 voltorbs on the lower end of the population estimate (200 Household x 3 Voltorbs per Household) and 3000 on the higher end of the population estimate (1000 Household x 3 Voltorbs per Household).