

Power Requirements for Up to Three (3) the Inspire2/Matrice200/210 PRCs

Each Inspire2/Matrice200/210 PRCs charging system fully loaded with 4 batteries (TB55) draws “at peak” about 8 amps from the 120VAC circuit.

This translates to 960W for one (1) Inspire2/Matrice200/210 PRCs charger.

If you are using two (2) Inspire2/Matrice200/210 PRCs chargers, from the same source, they will draw 16A and 1920W.

And of course if you are using three (3) Inspire2/Matrice200/210 PRCs chargers, from the same source, they will draw 24A and 2880W.

Inverters/generators should be rated at 1.67 x the wattage required by the load, i.e. Inspire2/Matrice200/210 PRCs charging systems.

Therefore, 1 Inspire2/Matrice200/210 PRCs charging system needs an inverter/generator rated at 1600W+, 2 = 3200W+ and 3 = 4800W+.

Obviously the TB 55's are serious power hogs and you need to make sure the 12VDC source (inverter/generator and wiring) can handle this much of a load.

An ordinary car electrical system with the engine running will possibly provide 800W-1000W if the inverter is wired directly to the battery.

Also, three chargers could never be powered by a single 15A, 120V house circuit.

Please call or email me if you have any questions.

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