

3 phase wind turbine charge controller

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hi, i would like to know if victron mppt charge controllers support wind turbines? if yes could i run 2 controllers in parallel, one with solar and one with a wind turbine?

Attachments: Up to 8 attachments (including images) can be used with a maximum of 190.8 MiB each and 286.6 MiB total.

Hi, greetings from Denmark. Following this interesting thread due to my own wind/ solar project.

Technical information -

smartsolar 250/70 as wind input with rectifier, and 10000uF capacitor infront.

Smartsolar150/100 for pv.

Wind break will be added through a changeoverswitch later. I can raise and lower wind tower at will, and the vertical design is not prone to overspin due to the design.

My problem is that windmill it is not transferring power, even though i got strong wind and 60vdc at the pv input side. And the voltage on battery bank is more than 5v lower (51,2v - 57,6 is cycle use)

The reason is that wind output when converting to DC can be very ruff, the capacitor will smooth out the DC and allow the MPPT to be more efficient.

I'll begin with the caveat that I am not a pro installer here. But very interesting setup you have there, so wanted to give you a temporary reply as we have been experimenting for some time with something very similar. I am sure others more qualified will chime in, but you are probably missing a piece of equipment between the turbine and the regulator that allows programming of the power curve of the turbine to your regulator and keeps it loaded with dump loads. The Victron smart solar regulators are certainly great for PV but may require a tweak or two to do wind and hydro well.

Also very, very interested in this. Can this thread be used to discuss it? Or if you prefer PM that is fine too. May I ask what MPPT turbine you are using and why, as you suggest? Many thanks

Contact us for free full report



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