

Wind Power Grid Tie Controller



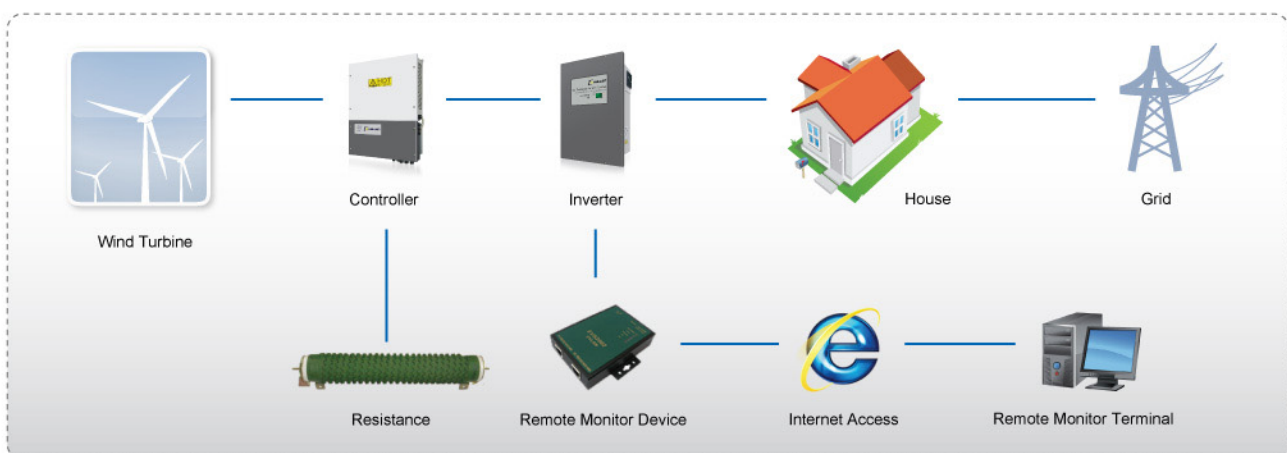
CTC-3K / 4.5K / 7.5K / 15K

Product Features

- >> Challengtec's wind power controller can be collocated with different wind turbines according to the design parameter of the turbine, so that when the output voltage goes above the design maximum, a dumpload is engaged to apply loading the excess voltage.
- >> The wind power controller has a manual switch, which can be used to cause a short circuit if there is an emergency, as a result, it can completely stop the whole wind power working system.
- >> For those wind turbine that do not have specified controller, Challengtec could provide appropriate controller individually according to the technique specifications.



System Configuration



Improving energy efficiency, the most efficient energy solution proposal

3KW controller for 2KW turbine

4.5KW controller for 3KW turbine

7.5KW controller for 5KW turbine

15KW controller for 10KW turbine

Technical Data

Model	CTC-3K	CTC-4.5K	CTC-7.5K	CTC-15K
Suitable Wind Turbine	2KW	3KW	5KW	10KW
Input Parameters				
Range of MPPT Voltage (DC)	120~600V			
Wing Turbine Output Power Rating	2000W	3000W	5000W	10000W
Dumpload Voltage	Set as the output voltage of turbine.			
Output Parameters				
Maximum Dumpload Power	3000W	4500W	7500W	15000W
Mechanical Characteristics (with dumpload)				
Dimensions W×H×D in mm	500/687/166		500/1115/166	
Weight	20kg	22kg	34kg	39kg
Protection Level	IP20/IP65 Choice of IP20 or IP65			
Installation Method	Wall-mounted			
Working Environment Temperature	-20 ~ +60°C Lower rating when above 40°C			
Storage Temperature	-20 ~ +70°C			
Controller Feature				
Cooling Method	Convection		Fan & Convection	
Display	Signal Lamps			



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