

Windy Boy 1800U

The Windy Boy is able to be connected to any wind turbine with a three phase, rectified DC output within the operating ranges of the inverter. Multiple Windy Boy inverters can be paralleled for larger turbines. Each turbine manufacturer pre-configures the inverter for optimum operation with their specific wind turbine. Historically, grid-tied wind systems have been connected to the grid through charge controllers, batteries and inverter/chargers. The resulting total efficiency of the power conversion from the wind turbine to the grid can be as low as 50%. With the Windy Boy, the peak efficiency is the same as the Sunny Boy PV models. For example, when using a 2500W Windy Boy the efficiency can be as high as 94.5%. The overall system cost is also greatly reduced because components such as the charge controller, batteries and associated switch gear can be eliminated from the system. Increased total energy capture combined with a reduction of balance of system components greatly reduces the installation and operating costs of a grid-tied wind system. Without inverter settings, battery setpoints or batteries to maintain or replace, Windy Boy systems are greatly simplified and virtually maintenance free. Please contact your wind turbine manufacturer or distributor for pricing, availability and additional information on using wind turbines with the Windy Boy.



Features:

- UL 1741 Listed for grid interactive inverters
- 5-year comprehensive warranty
- Rugged NEMA 4X stainless steel outdoor enclosure standard
- Exceptional reliability and it works without batteries or charge controllers
- Nearly twice the energy capture ratio of systems with batteries
- Easy to install 3-point wall mounting system
- Comprehensive communication and data collection options