WINDY BOY 3000US





- UL 1741/IEEE-1547 compliant
- 10-year limited warranty standard
- Comprehensive SMA communications and data collection options
- Rugged stainless steel enclosureExceptional reliability and energy
- capture ratio
- Easy to install three-point mounting system
- Modular design is easily expandable



WINDY BOY 3000US

The customized solution for wind turbine systems

Windy Boy inverters combine the same proven technology present in all Sunny Boy inverters with special firmware that permits direct grid-tied operation with a broad range of wind turbines-without batteries. This greatly reduces the overall system cost because components such as the charge controller, batteries and associated switch gear can be eliminated. 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. Contact your local wind turbine supplier for information on compatible wind turbine models and system design considerations.

Technical Data

	Windy Boy 3000US
Maximum Recommended DC Input Power	3200 W
Maximum DC Voltage	500 V
Peak Power Tracking Voltage	180 - 500 V @ 208 V
reak rower macking vollage	200 - 500 V @ 240 V
DC Mawimum Input Current	17 A
DC Maximum Input Current	< 10%
DC Voltage Ripple	2
Number of Fused String Inputs	
DC Start Voltage (adjustable)	228 V
AC Nominal Power	3000 W
AC Maximum Output Power	3050 W
AC Maximum Output Current	15 A
(@ 208, 240, 277 V)	
AC Nominal Voltage / Range	15 A 183 - 229 V @ 208 V 211 - 264 V @ 240 V 60 Hz/59.3-60.5 Hz 1 96.5% 95.0% / 95.5% / N/A 17.8 x 13.8 x 9.3 84 lbs / 97 lbs -13 °F to 113 °F 0.1 W Low frequency transformer, true sine wave OptiCool™, forced active cooling ● / ●
AC Frequency / Range	60 Hz/59.3-60.5 Hz
Power Factor	1
Peak Inverter Efficiency	96.5%
CEC Weighted Efficiency	96.3 % 95.0% / 95.5% / N/A
(208/240/277 V)	4J.U/6 / 4J.J 76 / IN/A
Dimensions: W x H x D in inches	17.8 x 13.8 x 9.3
Weight / Shipping Weight	84 lbs / 97 lbs
Ambient Temperature Range	-13 °F to 113 °F
Power Consumption in Standby	0.1 W
Topology	Low frequency transformer, true sine wave
Cooling Concept	OptiCool™, forced active cooling
Mounting Location In-/Outdoor (NEMA 3R)	•/•
LCD Display	•
Lid Color: red / aluminum	•/Q
Communication: RS485 / Wireless	0/0
Warranty: 10-year / 15-year / 20-year	●/O/O
Compliance: IEEE-929, IEEE-1547, UL 1741, UL 1998, FCC Part 15 A & B	•
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NOTE: US inverters ship with gray lids.	
Standard equipment Q Optional	
Data at nominal conditions	
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	Public Grid
	Public Gria
Overvoltage Wind Turbine Rectifier Protection	WINDY BOY 3000US
	or or
	Island Grid with
	SUNNY ISLAND

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