



WINDY BOY 3000-US

WB 3000US



UL Certified

- For the North American small wind market (UL 1741/IEEE-1547)

Efficient

- Peak efficiency of 96.5%
- OptiCool™ active temperature management

Easy to Use

- Programmable polynomial curve enables free selection of turbines

Reliable

- Galvanic isolation due to integrated transformer

WINDY BOY 3000-US

A reliable option with UL certification

User-friendly, safe and reliable, the Windy Boy 3000-US is specially certified for locations requiring UL certification. The automatic grid voltage detection* allows for straightforward and secure installation. The aluminum die-cast enclosure and the OptiCool active cooling system ensure optimal yield as well as a long lifespan, even under adverse operating conditions.

* US-Patent US7352549B1

Technical data	Windy Boy 3000-US	
	208 V	244 V
Input (DC)		
Max. DC power	3200 W	
Max. DC voltage	500 V	
DC nominal voltage	250 V	
Min. open circuit voltage for activating "Turbine Mode"	228 V	
Operating range "Turbine Mode"	180 V - 500 V	200 V - 500 V
Max. input current	17 A	
Output (AC)		
AC nominal power	3000 W	
Max. AC power	3050 W	
Max. output current	15 A	
Nominal AC voltage / AC operating range	183 - 229 V / -	211 - 264 V / -
AC grid frequency / range	60 Hz / 59.3 - 60.5 Hz	
Power factor (cos φ)	1	
Phase conductors / connection phases	1 / 1	
Efficiency		
Max. efficiency	96.6%	
CEC	95.0%	95.5%
Protective devices		
DC reverse-polarity protection	●	
AC short-circuit protection	●	
Galvanically isolated	●	
Protection class / overvoltage category	I / III	
General data		
Dimensions (W / H / D) in mm (in)	450 / 352 / 236 (18 / 14 / 9)	
Weight	40 kg (88 lb)	
Operation temperature range	-25 °C ... +45 °C (-13 °F ... +113 °F)	
Noise emission (typical)	≤ 40 dB	
Internal consumption in standby	0.1 W	
Topology	LF transformer	
Cooling concept	OptiCool	
Climatic category (per IEC 60721)	4K4H	
Mounting location: indoor / outdoor (NEMA 3R)	● / ●	
Features		
Display: text line / graphic	● / -	
Communication: RS485 / Bluetooth	○ / ○	
Warranty: 10 years	●	
Certificates and permits	FCC, Part 15, Class A & B, UL 1741, IEEE-1741	
Data at nominal conditions		
● Standard features ○ Optional features - Not available		
Type designation	WB 3000US	

