



Technical Data

- Special operation mode for wind turbines
- Freely configurable output characteristic curve
- For indoor and outdoor installation
- SMA grid guard 2: automatic disconnection unit in accordance with DIN VDE 0126-1-1
- Galvanic isolation from grid by means of transformer
- Extended temperature range -20 °C to +60 °C
- Integrated 2-line display
- Diagnostics and communication via display, network, radio and cable (RS232 or RS485)
- 5 years SMA warranty (10 years optional)

	WB 2500	WB 3000	WB 2800i
Input data			
Recommended generator power with 2500 full load hours p.a.	2070 W _{DC}	2475 W _{DC}	2340 W _{DC}
with 5000 full load hours p.a.	1840 W _{DC}	2200 W _{DC}	2080 W _{DC}
Nominal voltage (U _{DC, nom})	300 V	350 V	300 V
Max. DC voltage (U _{DC, max})	600 V	600 V	600 V
DC voltage range (U)	224 V - 600 V	268 V - 600 V	224 V - 600 V
Max. input current (I _{max})	12 A	12 A	13.5 A
Thermally monitored varistors	yes	yes	yes
DC voltage ripple (U _{SS})	< 10 %	< 10 %	< 10 %
Output data			
Max. AC power (P _{AC, max})	2500 W	3000 W	2800 W
Nominal AC output (P _{AC, nom})	2300 W	2750 W	2600 W
Harmonic distortion of grid current	< 4 %	< 4 %	< 4 %
Nominal AC voltage (U _{AC, nom})	220 V - 240 V	220 V - 240 V	220 V - 240 V
Nominal AC frequency (f _{AC, nom})	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Short-circuit proof	yes, current control	yes, current control	yes, current control
Mains connection	AC plug connector	AC plug connector	AC plug connector
Efficiency			
Max. efficiency	94.1 %	95 %	94 %
Protection Degree			
in accordance with DIN EN 60529	IP65	IP65	IP21
Mechanical data			
Width / height / depth in (mm)	434 / 295 / 214	434 / 295 / 214	440 / 305 / 226
Weight	30 kg	32 kg	31 kg

WINDY BOY

WB 2500, WB 3000, WB 2800i

WB 2500, WB 3000

Their broad input voltage range, excellent efficiency across the whole power range, and superb reliability make the Windy Boys WB 2500 and WB 3000 the first choice for your small wind power system. The robust housing design and high protection rating IP65 ensure secure operation even in extreme climatic conditions, both indoors and outdoors.

WB 2800i

The appealing housing design and protection rating IP21 were specially made for indoor use. The integrated temperature-controlled and speed-controlled cooling fan ensures very quiet operation, a long life span and high efficiency over the entire temperature range from -25 °C to 60 °C.

