



Technical Data

- Special operation mode for wind turbines
- Freely configurable output characteristic curve
- OptiCool
- 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 $-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$
- Integrated 2-line display
- Diagnostics and communication via display, radio and cable (RS232 or RS485)
- 5 years SMA warranty (10 years optional)

	WB 3300	WB 3800	WB 6000A
Input data			
Recommended generator power with 2500 full load hours p.a.	2970 W _{DC}	3420 W _{DC}	5400 W _{DC}
with 5000 full load hours p.a.	2640 W _{DC}	3040 W _{DC}	4800 W _{DC}
Nominal voltage (U _{DC, nom})	200 V	200 V	270 V
Max. DC voltage (U _{DC, max})	500 V	500 V	600 V
DC voltage range (U)	200 V - 500 V	200 V - 500 V	246 V - 600 V
Max. input current (I _{max})	20 A	20 A	26 A
Thermally monitored varistors	yes	yes	yes
DC voltage ripple (U _{pp})	< 10 %	< 10 %	< 10 %
Output data			
Max. AC power (P _{AC, max})	3600 W	3800 W	6000 W
Nominal AC output (P _{AC, nom})	3300 W	3800 W	6000 W
Harmonic distortion of grid current	< 3 %	< 3 %	< 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	screw terminal
Efficiency			
Max. efficiency	95.2 %	95.6 %	96.1 %
Protection Degree			
in accordance with DIN EN 60529	IP65	IP65	IP65
Mechanical data			
Width / height / depth in (mm)	450 / 352 / 236	450 / 352 / 236	468 / 613 / 242
Weight	41 kg	41 kg	63 kg

WINDY BOY

WB 3300, WB 3800, WB 6000A

WB 3300, WB 3800

Like the Windy Boy WB 6000A, the WB 3300 and WB 3800 are both equipped with the innovative ventilation concept OptiCool. This is the latest development in inverters to come from SMA which offers easy handling, simplified installation, and has a level of efficiency unique to inverters in this power class.

WB 6000A

The Windy Boy 6000A enables your wind turbine system to achieve very high yields with low investment costs. The new active cooling concept, OptiCool, ensures secure system operation even in high ambient temperatures, and provides optimum protection for the electronics within the housing, with a protection rating of IP65. This makes the Windy Boy 6000A ideal for applications both indoors and outdoors.

