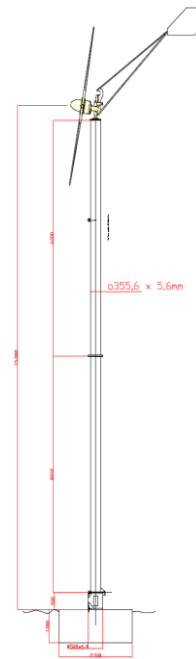




**FORTIS**  
WIND ENERGY  
GREAT IN SMALL TURBINES

## Fortis Montana-5 kW wind turbine system



Part number	Type	Description
4000-1-12	Montana System for On-Grid Output: 2-phase-230VAC+N+PE	Configuration with automatic brake switch, GFI-6K grid feed inverter, 4.3" TFT touch display, dump load box, Power Curve programming and build in wind data Logger for 2 wind sensors

## Fortis Montana unique features

- Conforms to IEC 61400-2 international standard
- Upwind, direct drive, fixed pitch, overvoltage protection and emergency braking
- Rectifier & Grid Feed Inverter in one housing
- Power curve according to frequency or voltage
- Maintenance free, 5 year warranty, installation by Fortis Certified System Partner
- Average lifetime for Montana is over 20 years
- Made in The Netherlands



## Technical Specifications

Max. output	5800W
Output @ 11m/sec	3.4kW
Wind speed:	
cut in	2.5 m/sec.
rated	17m/sec.
survival	60 m/sec.
Rotor blades:	
number	3
diameter	5.0 m
area	19.63m <sup>2</sup>
airfoil	E 387
tip speed ratio	7
material	glass-fibre reinforced epoxy
Generator:	
type	brushless permanent magnet 9-pole
RPM operation range	120 - 450
voltage	from 48 to 500VDC standard other voltages on request
frequency	0-70 Hz
Other:	
gearbox	none
braking mechanism	Automatic breaking switch
rotor speed control	Inclined hinged vane
output control	voltage control with dump load
rectifiers	built inside controller
hub type	rigid
yaw system	tail vane
rotor position	upwind
tower	guyed steel tubular (height: 12- 24m) free standing tube mast (height: 12 -24m)
Head weight	200 kg

Contact us now for more information

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