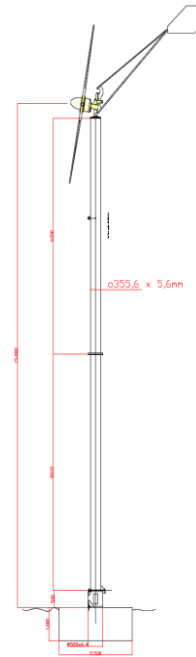




**FORTIS**  
WIND ENERGY  
GREAT IN SMALL TURBINES

## Fortis Montana 5kW wind turbine system



Part number	Type	Description
4000-10-14	Montana 5kw Off-Grid	Configuration with IN_48V_100A Voltage controller & battery charger, dumploads and MultiPlus Inverter / Charger 48/5000W 230V 50Hz

## Fortis Montana unique features

- Quietest Turbine in the Industry
- Maintenance free
- Over 6,400 Fortis wind turbines installed world wide
- 30 years of Environmentally Friendly design & Manufacturing experience
- Easy installation
- 5 year warranty
- Average lifetime for wind turbine is over 20 years



## 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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