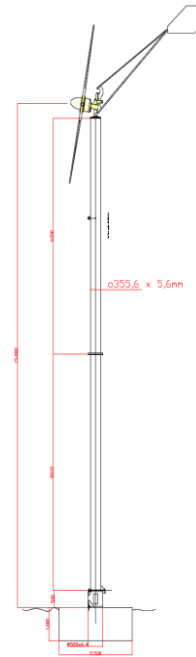




FORTIS
WIND ENERGY
GREAT IN SMALL TURBINES

Fortis Montana 5kW wind turbine system



| Part number | Type | Description |
|-------------|----------------------|---|
| 4000-10-13 | Montana 5kW Off-Grid | Configuration with IN_48V_100A Voltage controller & battery charger, dumploads and MultiPlus Inverter / Charger 48/3000W 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 ² |
| 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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Your local Fortis partner:

“Company”