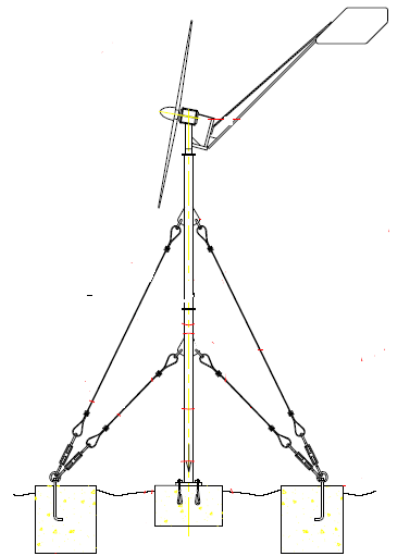




Fortis Passaat 1.4kW wind turbine system



| Part number | Type | Description |
|-------------|---|--|
| 1400-1-14 | Passaat 1.4kW, grid-connected Output: 230VAC, 1-phase+N+PE | Configuration with Fortis Voltage Controller IN-350V-5A, On/Off Switch with LED status, Automatic Brake Switch, UNO_1.2_Inverter with front panel display, dump load and Power Curve programming |

Fortis Passaat unique features

- Conforms to IEC 61400-2 international standard
- Upwind, direct drive, fixed pitch, overvoltage protection and emergency braking
- Inverter with power curve according to voltage
- Maintenance free, 5 year warranty, installation by Fortis Certified System Partner
- Average lifetime for wind turbines is over 20 years
- Made in The Netherlands



Technical Specifications

| | |
|---------------------|---|
| Max. output | 1400Watt |
| Output @ 11m/sec | 900Watt |
| Wind speed: | |
| cut in | 2.5 m/sec. |
| rated | 16 m/sec. |
| survival | 60 m/sec. |
| Rotor blades: | |
| number | 3 |
| diameter | 3.12 m |
| area | 7.64m ² |
| airfoil | E387 |
| tip speed ratio | 6.9 |
| material | glass-fibre reinforced epoxy |
| Generator: | |
| type | Brushless permanent 12-pole |
| RPM operation range | 180 - 775 |
| voltage | 24V- 350VDC standard other voltages on request |
| frequency | 0-70 Hz |
| Other: | |
| gearbox | none |
| braking mechanism | none |
| 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 rotor with fixed pitch |
| tower | guyed steel tubular (height: 12 - 24m) |
| tower | free standing tube mast (height: 12 - 18m) |
| Head weight | 75 kg |

Contact us now for more information

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Your local Fortis partner:

“Company”