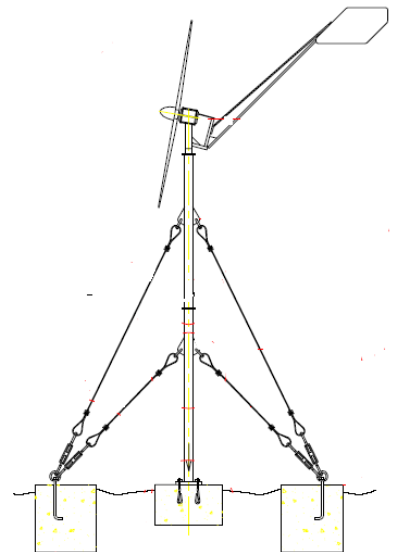




Fortis Passaat 1.4kW wind turbine system



Part number	Type	Description
1400-1-11	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, WindyBoy WB-1700 Inverter and dump load

Fortis Passaat 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 Passaat 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

FORTIS Wind Energy

Botanicuslaan 14

9751 AC Haren

The Netherlands

Tel.: +31 (0) 50 5515 666

Email: info@fortiswindenergy.com

Your local Fortis partner:

“Company”