



FORTIS
WIND ENERGY
GREAT IN SMALL TURBINES

FORTIS Wind Turbine Systems Montana 5kW

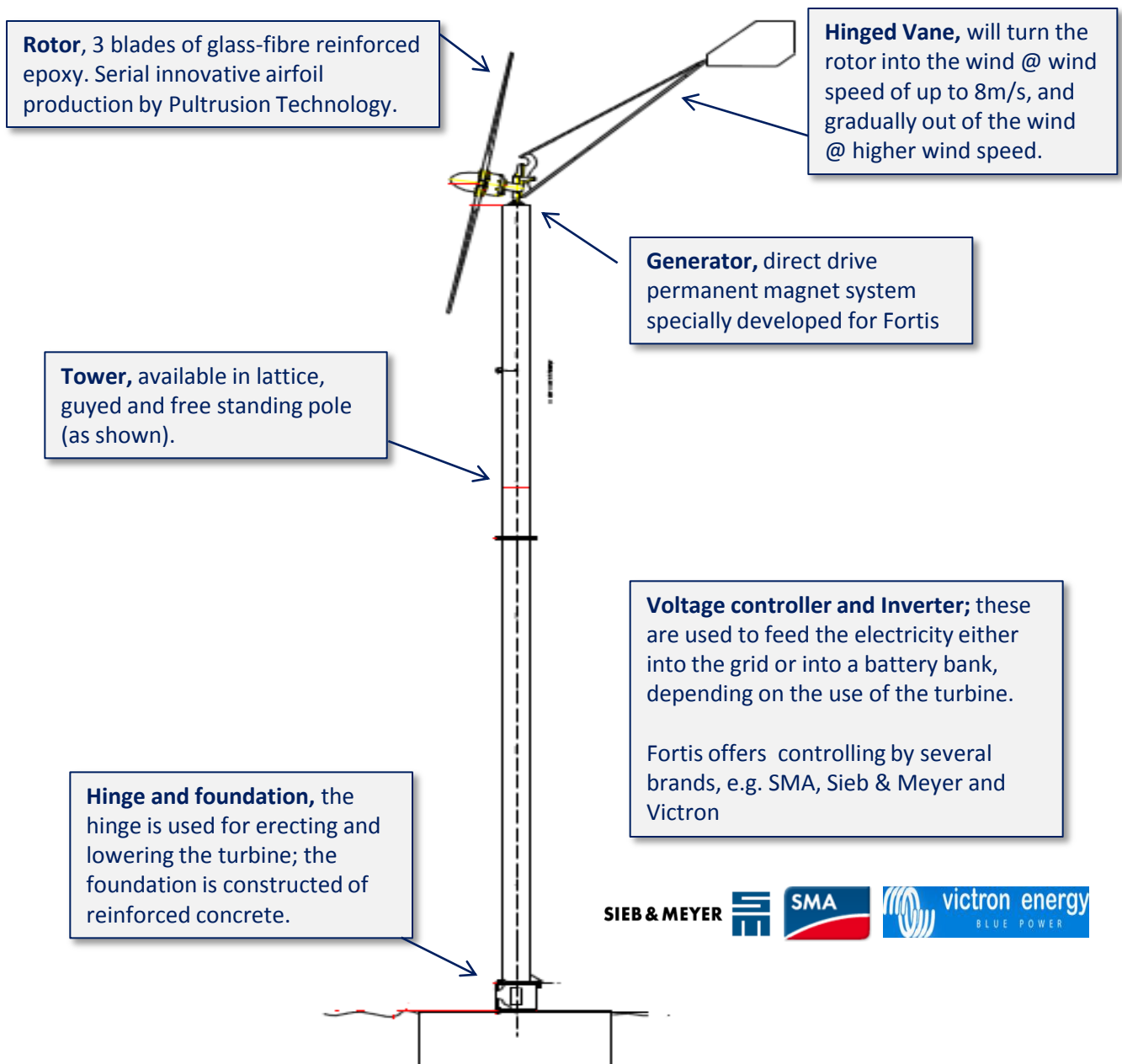


FORTIS Wind Energy

Since 1981 over 6,400 Fortis units have been erected worldwide and more are being added almost daily. Our sturdy reliable wind turbines operate across all continents, meeting a variety of applications such as powering rural farms and homes, public buildings, small and medium sized businesses.

Fortis turbines operate in Mauretania's hot, windy and sand swept Sahara desert or extreme cold temperature and stormy wind conditions experienced by Fortis units while powering scientific research stations at Antarctica.

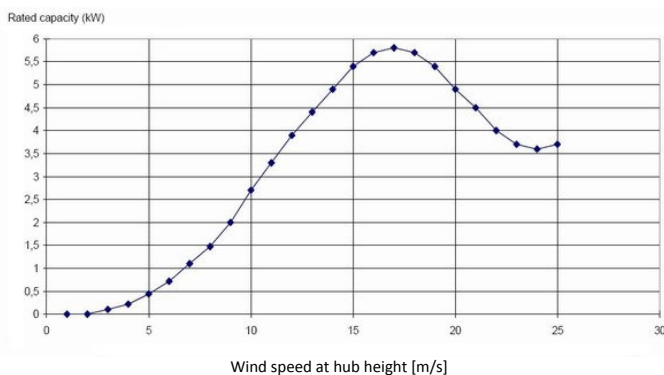
The technical concept of Fortis Wind Energy



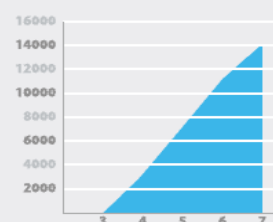
Technical Specifications

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

Power Curve Montana & AEP*

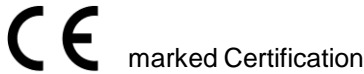


Annual kWh at mean wind speed (m/s)



*AEP
Annual Energy
Production

Tested and Certified



Certification process by Intertek Testing and Certification Ltd. in progress conform IEC 61400 -2 including AWEA 9.1 for US / Canada / MCS for UK



Approval for Fortis Montana 5kW
Certificate No.: SO-DV-11019

Environmental measurement – External noise made by EPA (Miljøstyrelsen) order no. 1284, 15-12-2011 conform IEC 61400-11

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

Fortis has established a comprehensive net work of dedicated professional System Partners around the world. What these professionals share is taking pride in providing tailor-made client support during all project phases

Contact us now for more information

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Scan the QR-code

Your local Fortis partner:

“Company”