



The home of the Forgen[®] Vertical Axis Wind Turbine

THANK YOU FOR PURCHASING
THE FORGEN[®] VERTICAL AXIS WIND TURBINE (VAWT)

INSTALLATION INSTRUCTIONS SUITABLE FOR THE 500 AND 1000 SERIES

The Forgen can be supplied with 3 standard mount system options:-

OPTION 1 - BRACKET AND WEDGE (STANDARD SYSTEM)

- a. Remove the bracket and wedge from box.
- b. Slacken the "Security " hex screw in the mounting bracket with key provided and slide out the tapered mounting plate.
- c. Secure the mounting plate to the surface or frame; this surface must be rigid or well supported, as there can be strong sideways forces exerted during gale conditions.
- d. Slide the mounting bracket over the wedge and secure by tightening the hex grub screw.
- e. Offer the spindle of the Forgen[®] vawt through the hole in the bracket and tighten using the two nuts provided.



OPTION 2 - POLE MOUNTING

The fitting is designed to clamp directly onto a scaffold size pole of 50mm or 2" pole. Secure the fitting by tightening the 3 stainless steel clamping screws.

Note: Ensure the mount is securely fitted to the spindle of the Forgen[®].



OPTION 3 - SIDE MOUNTING

Option 3 is for our 'extreme conditions' (LT) option. This has a side mounting with a bearing assembly being fitted into the head of the rotor. The machine is attached to the side of a building, mast or other fixture with suitable bolts (not supplied by Forgen®.)



GENERAL

- 1 Run the twin core cable through to a position convenient for a switch box, connecting Block (if either are to be fitted) or direct to the battery.
- 2 Output from the "Forgen®" is DC and suitably self-regulating for 6, 12 or 24 with no manual adjustment needed.
- 3 The Brown wire from the "Forgen®" is Positive (+) and must be connected to the positive Terminal of the battery via the fuse and switch box, if fitted.
- 4 The Blue wire is Negative (-) and must be connected to the negative terminal of the battery.

NOTE

To avoid risk of damage to the generator, it is recommended that a 3 amp in line fuse is fitted into the positive line of the "Forgen®" 500 and a 5 amp in line fuse for the "Forgen®" 1000. This will prevent any circuit damage, In the event of the battery being incorrectly connected.

WARRANTY

The "Forgen®" product carries a two-year Manufacturers mechanical parts warranty from the date of purchase

- The warranty will be invalidated if the machine is dismantled other than by Goodridge authorised service engineers or dealers
- The Machine is incorrectly mounted
- The machine is incorrectly wired
- The machine is used for purposes other than that for which it was designed

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