

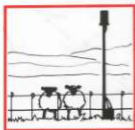
POWER

from the WIND

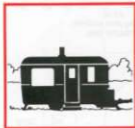


FORGEN

WIND DRIVEN GENERATOR



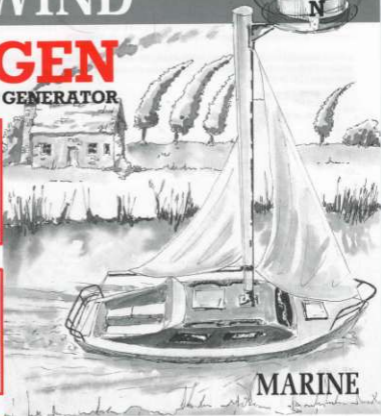
FARMING



LEISURE



COMMUNICATIONS



MARINE

- Low wind speed vertical axis charger
- Easy fixing to masts, rails or other surfaces
- Safe and silent in operation
- Non blade design for user safety
- No twisting of connecting cable
- No maintenance required
- Sealed bearings
- Corrosion resistant external components
- Electrical circuit fully protected, solid state rectifier

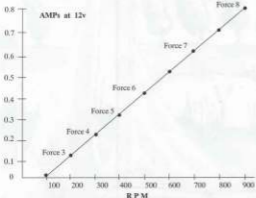
The **FORGEN** wind driven generator embodies long established, high efficiency generator principles, combined with turbine airflow expertise. Low inertia of the carefully balanced all aluminium rotor assembly enables the maximum advantage to be taken of average weather conditions. The two machines in the range, the **FORGEN 500** and the **1000** can produce in an average 15 knot wind speed either 12 or 24 amp in a 24 hour period (depending on battery condition). The design of the machines is such that in extreme wind conditions the turbine is self regulating. The electronic circuitry is also internally protected against overload, neither machine requires an external regulator to be fitted.

The turbine drive of the permanent magnet generator is widely acknowledged as the most efficient design and when mounted vertically it takes advantage of wind from any direction. All electrical components are encapsulated and the unit is virtually maintenance free especially as there are no slip rings. The outlet supply cable to the battery cannot become entangled. As there are no separate blades, the unit is vibration free and silent in operation.

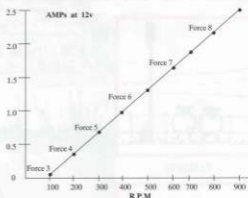
The **FORGEN 500** is designed as a trickle charger and may be permanently connected to the battery. The **FORGEN 1000** gives a higher charge and has been designed for larger multiple battery installations usually associated with boats over 35ft in length. The use of a **FORGEN** ensures easy start up after overnight or week long mooring of sailing craft. Parked caravans, electric fence units, sea buoys or other remotely situated electronic equipment are also typical uses for the **FORGEN**.

It is well known that batteries have a much longer working life when maintained in a fully charged condition and even a small charge current will help prevent battery deterioration. The generator circuit is designed so that the battery cannot be overcharged and is self adjusting for 12 or 24 volt batteries.

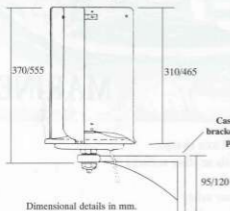
FORGEN 500



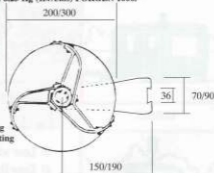
FORGEN 1000



Finished in White stoved epoxy resin paint. Stainless steel rail or stanchion mounting also mast mounting plate available. 10m (32.5ft) cable length supplied. Weight 3.65 KG (8lbs) FORGEN 500. Weight 6.25 Kg (13.75lbs) FORGEN 1000.



Cast aluminium mounting bracket with quick demounting plate and anti-snatch security fixing.



Full installation instructions are provided.

Manufactured By
Donald Edward
 ENGINEERING LIMITED
 FORGEN is a registered design.

Stockist/Supplier