

INSTRUCTION MANUAL

WARNING: Please read the instruction manual before using your GIGA.

WARNING: Do not apply lubricant or oil like substance to any bearing or surface of your GIGA Turbine. This will void your warranty and a new unit will need to be ordered.

General Information: During transit the blade section can settle to the bottom of the casing, this can result in a reduction in performance, apply a small amount of pressure to move the blades off the surface of the casing they are closest to.

The GIGA turbine has been developed to provide optimal generative capacity in all wind conditions. The simple design is the result of several years of research and development which focused on producing the most efficient wind scavenging power generator.

The aerodynamic profile of the rotor blades captures even very low-levels of wind, allowing generation of electricity to start at wind speeds of 2 –3m/s. The enclosed rotor blades produce very low noise levels, even when running at maximum RPM.

GIGA is constructed from premium, proprietary blend of UV resistant ASA plastic resulting in an attractive, long-lasting device. The generator is entirely contained within the casing, resulting in a simpler, more reliable device. The GIGA is direct drive with no gearing. Double bearing stacks minimise rotor friction, optimising generative capacity under any wind load conditions. The result is a robust device capable of operating across a wide range of environmental conditions.

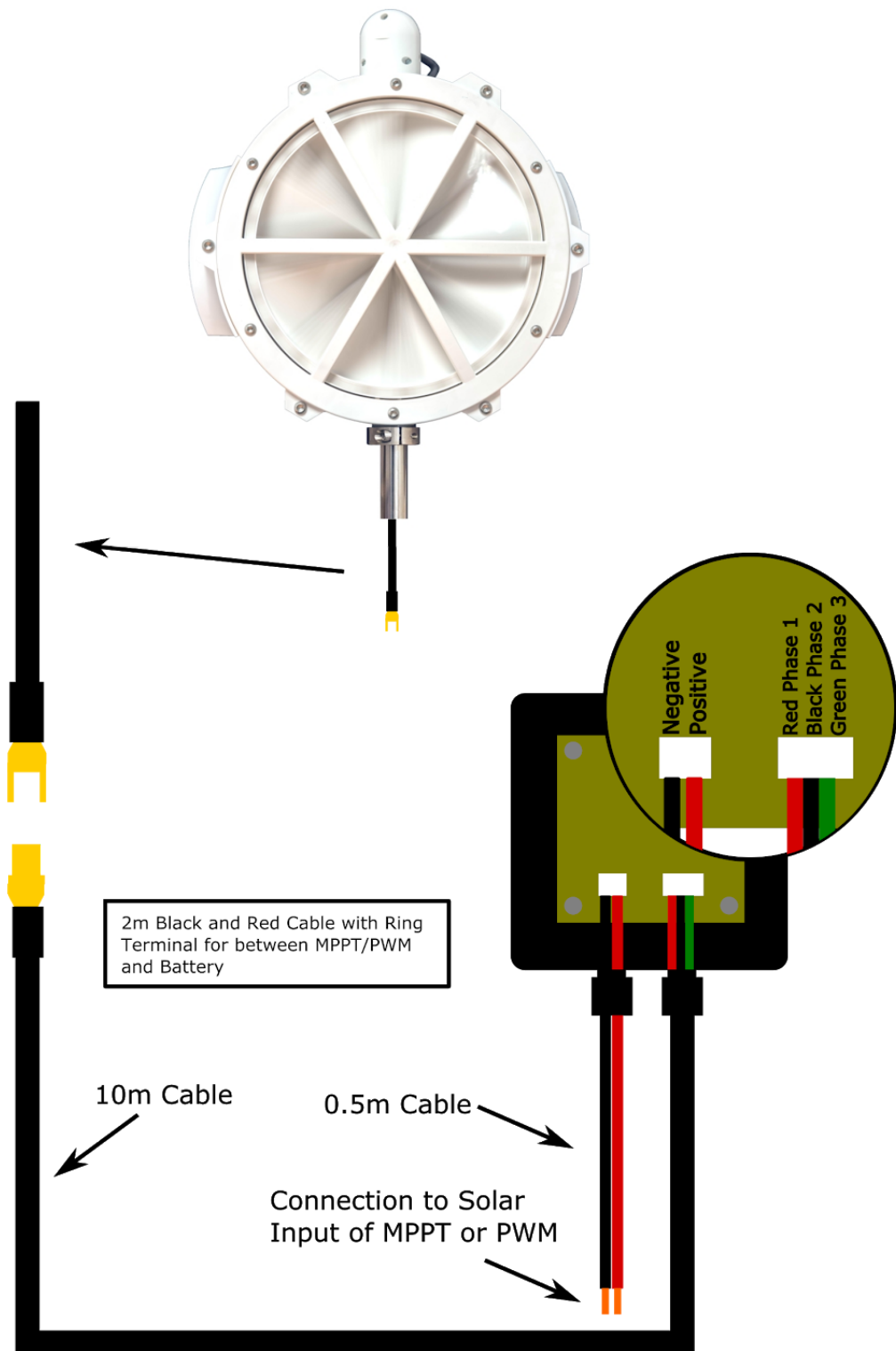
GIGA has been designed with a whole life-span environmental cost-to-the-planet philosophy. There is no aluminium or bronze utilised in its construction and the only metals used are the magnets, coils and stainless steel fasteners which secure the device. At the end of its life, the generator mechanism can be stripped out of the turbine and all elements are 100% recyclable.

The supplied charge controller is  approved.

Advice

- If any part of the turbine or charging system appears to be damaged, do not use
- Ensure that the charge controller and the regulator are connected to the battery before connecting to the turbine
- It is recommended that the charge controller is mounted in a cool and dry place
- Do not attempt to stop the turbine blades using any body part as this could result in injury
- If you have any issues or questions, please contact us for support.

Wiring Diagram



Specifications and Technical Data

Charge controller type	PWM / MPPT
Battery system voltage (automatically detected)	12V / 24V
Max. power output of the wind generator	30W
Max. current output of the wind generator	2.5A / 1.25A
Maximum Dimensions (L x W x H)	330mm x 400mm x 180mm
Total weight	2.5kg

Quiet running
Low wind speed start-up
Safe enclosed blade system
Direct drive alternator
Double bearing stack – ZERO maintenance bearing
Charge controller included
10m of 3 core marine grade wire + 2m red and 2m black dc leads with battery ring crimp included
Multiple mounting options – Pole not needed
Integrated electronics regulator & high wind shutdown module – Prevents storm damage
Durable UV resistant ASA plastic casing
Low maintenance – Oil free bearing
Robust and durable plastic construction
2 year guarantee on mechanical & electronics components



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