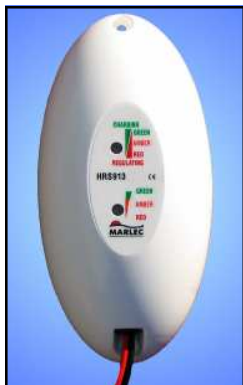


Rutland Accessories

Voltage Regulators and Controllers

Connect between the windcharger, plus solar panels where fitted, and the battery to prevent overcharge. Voltage regulation is pulse width modulation (PWM) type which slows the turbine down as the batteries become fully charged. All models are diode protected to allow charging from other sources to the same battery. Choose between the single bank HRS range or the HRDX Controller for twin battery banks.



Dims: 150x75x34mm
Weight: 0.12Kg

HRS503 / HRS913 Regulators

- For use with Rutland 503 – 913 / FM910-3 and up to a 100W of solar panels.
- Led indicators show battery and charge status.
- Flying lead connection

HRS 503 (for use with Rutland 503)
Part No: CA-11/45 – £39-95

HRS913
(for use with Rutland 913 or FM910-3)
Part No: CA-11/40 – 12V – £59-95
CA-11/41 – 24V – £59-95



Dims: 157x137x59mm
Weight: 0.85Kg

HRDX Controller

- Simple combination of any of one of Rutland 503, 913 or FM910 plus up to 100W of solar panels.
- 5 Position switchable LCD displays battery volts and charge currents.
- Charge splitter for 2 battery banks.
- Turbine / solar panel shutdown switch.

Part No:
12V – CA-11/42 – £144-95
24V – CA-11/43 – £144-95

Windcharger Mounting Kits

Marine mounting kits in polished stainless steel comprise:

- 2 x 1m pole sections for Rutland 503 · 2 x 1.2m pole sections for Rutland 913 · Tube joiner
- Deck fixing brackets · Guy to pole attachments (guys not included) · Stainless steel fasteners

Rutland 503 Marine Mtg Kit-Part No: CA-12/01 £80-95

Rutland 913 Marine Mtg Kit-Part No: CA-12/02 £99-95

Top sections of pre-drilled stainless steel tube are available for customers own tower design.

Stainless Steel Tube (Rutland 913) 1200mm – Part No: CA-12/03 £23-50

Stainless Steel Tube (Rutland 913) 600mm – Part No: CA-12/04 £16-50

Stainless Steel Tube (Rutland 503) 1000mm – Part No: CA-12/15 £23-50

Stainless Steel Tube (Rutland 503) 500mm – Part No: CA-12/16 £16-50

Land mounting kits: Tower and rigging kits are available separately.

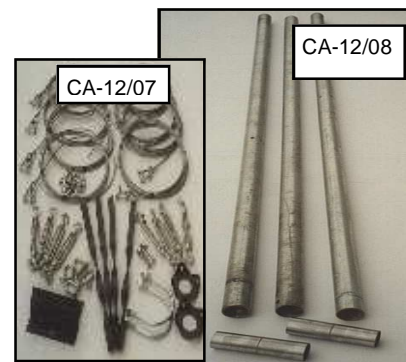
Tower Kit-503 – 4.0m(2 x 2m sections) of polished stainless steel tube ready drilled for assembly complete with joiner and ground spike. **Part No: CA-12/12 (not shown) £89-95**

Tower Rigging Kit-503 – Complete with guys ready fitted to tower attachments, shackles and ground anchors (anchors suitable for temporary installation on firm ground). For permanent installation or other ground types alternative anchors may be required. Part No: CA-12/13 (not shown) £69-95

Tower Kit-910 Series – 6.4m (3 x 2.13m sections) of 48mm dia galvanised steel tube ready drilled for assembly complete with joiners. Suitable for use with Rutland 913 or FM910-3 Windchargers. The pole must be supported by guys or use rigging kit. Part No: **CA-12/07. Part No: CA-12/08 £119-95**

Tower Rigging Kit-910 Series – Complete with steel guys, shackles, turnbuckles, pole attachments, ground fixings for pole and guys. Designed for permanent installation, concrete base for pole and guy anchors recommended. **Part No: CA-12/07 £129-95**

Deck Mounting Brackets – Purpose designed stainless steel brackets for mounting the Rutland 503 or 913 tube to a flat surface. The pole must be supported by guy ropes. **Part Nos: (913) CA-12/09 (503) CA-12/23 £16-50**



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