



FUTUREENERGY

AF1 Wind Turbine 12V 3 phase
part no. A0359

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Stop Switch
Part no. A0257



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Bridge Rectifier
part no. REC02



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12V dumpload
resistor
part no. P1886



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Charge Controller TS45
(x2) part no. PO823
Used in Diversion mode



FUTUREENERGY™AIRFORCE¹

Example of 12V AC 1kW turbine installation suitable for domestic off-grid connection (with appropriate inverter)

Inverter specification:
12V pure sine-wave
minimum capacity 3.5kW



**Mount all items adjacent
to controller with
Stop Switch easily
accessible**



12V Battery bank

Recommended batteries are wet lead acid
L16 type (known as traction batteries)
e.g. Rolls 6V S605 with capacity 482Ah @ C20
(capacity as discharged over 20 hours)
Slower discharge gives greater capacity e.g 624AH @ C100

High current
fused circuit breaker



110/220/240V AC output

Fuse

Fuse