

SURVIVAL UNIT



Our Survival Unit's modest, but lifesaving goals are to enable you to recharge your phone, heat an electric blanket, etc. A 1.15-meter high turbine with electronics to recharge a 12-volt battery pack, attached to an indoor/outdoor roto-molded cooler with heavy terrain wheels. Standard color is white

Please note that projected data is based on research, field testing, and simulations.



Model Number: FT Survival Unit

Type: Portable 2-Bladed Vertical Axis Wind Turbine

IEC Turbine Class: IEC61400 Class IV

Rated Power: 100 watts, reached at 14.5 m/s (32.4 mph)

Expected Production: ≈62.2 w/h alone at 12m/s (27 mph)

Generator: High Efficiency Permanent Magnet Generator

Bearings: Included in Generator

Blade material: Thermoplastic

Cooler Size: 0.86M (2.84 ft) (length) x 0.46M (1.5 ft) (width) x 0.68M (2.23 ft) (height)

Blade Height: 1.15 m (3.77 ft)

Total Height: 2.08 m (6.81 ft)

Total Weight: ≈47 kg (103.6 lbs)

Diameter at Widest : 0.55 m (1.79 ft)

Cut-in Wind Speed: 0.7 m/s (1.57 mph)

Cut-out Wind Speed: Inverter or charge controller will control high speeds.

Max Survival Wind Speed: 54 m/s (120.8 mph)

Operating Temperature Range: -15°C to 80°C (5°F to 175°F)

Design Life: 40 Years (Must be checked annually)

Warranty Period: 5 Years



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