

# 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 50°C (5°F to 122°F)

**Design Life:** 40 Years (Must be checked annually)

**Warranty Period:** 5 Years



Scan this QR Code to visit our online page detailing more about the Survival Unit.

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