

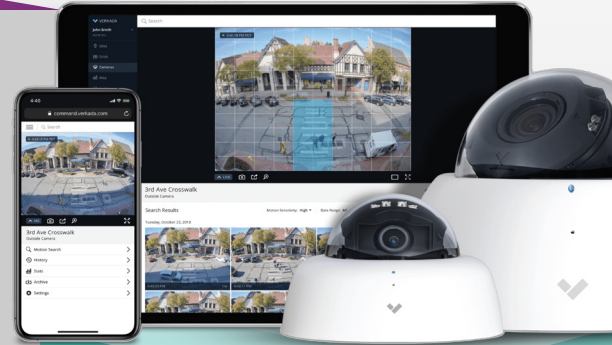


# Mobile Security Trailers that Redefine Crime Prevention

CONSTRUCTION   RETAIL   REAL ESTATE   TRANSPORTATION   REMOTE UTILITY SECURITY   EMERGENCY MANAGEMENT



- Available to rent or purchase
- Custom designed
- License Plate Recognition (LPR) capability
- 4G LTE or 5G connectivity
- Cloud based storage
- Real time monitoring



- Low Cost Complete Mobile Solar Remote Power Solution
- Weatherproof Outdoor Locking Enclosure with High Performance Sealed Lead Acid Batteries
- Thermostatically Controlled Ventilation
- Up to 1440W Solar Capacity
- Supports Up to 315W Continuous Power
- Pneumatic Four Position (9ft, 12ft, 15ft, 18ft) Locking Aluminum Extension Mast for up to 110lb load
- Protected and Secured Wiring to Deter Vandals
- Wind Turbine For Reliable Supplemental Power Source

## ANM AT A GLANCE

- > 30-year Track Record
- > 98% Customer Satisfaction
- > 6:1 Engineer to Sales Ratio
- > Cybersecurity & Physical Security Expertise
- > Data Center & Cloud Expertise
- > 2024 CRN Fast Growth 150 Award
- > 2024 CRN Tech Elite 250 Award
- > Verkada Platinum Partner



We'd love to hear from you.

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# Tower Specifications

## BATTERIES

Battery Voltage	24VDC
Battery Type	Maintenance Free Non-Spillable Valve Reg Sealed Lead Acid
Battery Life	5+years

## SOLAR PANELS

Type	24VDC 360W, Monocrystalline 72 Cell Modules, 25year Life
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## AC CHARGING

Type	MPPT – Temperature Compensated, 60A Solar Input, 30A Load Output
Self-Consumption	<1W
Overcharge Protect	32V
Equalize Charge	29.2V
Bulk Charge	28.8V
Float Charge	27.6V
Over-discharge protect	22V
Over-discharge recover	24V
Remote Access	Ethernet via TPDIN3 Monitor WiFi – Internet connected router req'd Mobile – Cellular router with carrier account SIM req'd

## REMOTE MONITORING

Type	Web Based, SNMP, 4 Channel
Parameters Monitored	Solar Panel Volts and Current, Battery Volts and Current, Load Current, Temperature
Controls	Connect / Disconnect Load Output, manually or automated based on programmable rules.
Alerts	Email alerts based on user programmable rules

## EXTENSION MAST

Type	Pneumatic Locking Aluminum
Lock Positions (4)	9', 12', 15', 18' (2.74, 3.66, 4.57, 5.49m)
Time to full extension	90 seconds Typ (using included integrated air pump)
Top Mounting Area	36" x 2.1" diameter (914 x 53mm)

## AC CHARGING

Input	110/240VAC (Switchable), 50/60Hz, 10A
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## TOP MAST ENCLOSURE

Type	Aluminum Die Cast
Interior Size	10 x 7.75 x 3" (254 x 197 x 76mm)
Voltages Available (16AWG Wire)	12VDC 15A Reg, 56VDC 5A Reg 24VDC 15A UnReg,
PoE Ports	5 Port Layer 2 Gigabit PoE Switch Port 1 = 90W 802.3bt PoE Port 2-4 = 802.3at 30W PoE+ Port 5 = 24VDC 12W Passive PoE

## EQUIPMENT ENCLOSURE

Type	Vented Locking Aluminum Diamond Plate
Internal Size	64.5" x 17.5" x 19.5" (1638 x 444 x 495mm)
Voltages Available Inside Enclosure	56VDC 5A Reg, 24VDC 30A UnReg, 12VDC 20A Reg

## MOBILE TRAILER

Construction	Welded Tubular Steel, Powder Coat Painted. Aluminum diamond plate decking.
Frame Length	Mini: 120" (3m) Standard: 130" (3.3m)
Frame Width	Mini: 72" (1.8m) Standard: 84" (2.1m)
Deck Size	Mini: 52 x 85.5" (1.3m x 2.2m), Standard: 77 x 86.5" (2m x 2.2m)
Tongue length	48.5" (1232mm)
Ball Size	2" (50.8mm)
Ground Clearance	13" (330mm)
Solar Panel Height	63" above deck (1600mm)
Wheels	15" (381mm) Polished Aluminum
Suspension	Leaf Spring, 3500lb Axle
Stabilizing Lifts (4)	2000lb (907kg), 3 Position Extension: 0", 15" 36" (0, 381, 914mm)

## MISC

Operating Temp	-22°F to 140°F (-30°C to +60°C)
Wind Speed Rating	90 MPH (40 m/sec)
Warranty	3 Years

MODEL #	FRAME TYPE	SOLAR PANEL OUTPUT	SOLAR ARRAY SIZE	BATTERY CAPACITY	CONTINUOUS POWER GENERATION*	RESERVE TIME	GRID CHARGE TIME*	TRAILER WEIGHT	TONGUE WEIGHT
RPMS24-360-360	Mini	360W	39 x 77"	360Ah	78W	28hr	4hr	1340lb	139lb
RPMS24-720-720	Standard	720W	79 x 77"	720Ah	157W	27hr	7hr	1650lb	
RPMS24-720-1080	Standard	1080W	119 x 77"	720Ah	180W	24hr	7hr	1700lb	
RPMS24-1440-720	Standard	720W	79 x 77"	1440Ah	157W	55hr	14hr	2160lb	257lb
RPMS24-1440-1080	Standard	1080W	119 x 77"	1440Ah	236W	36hr	14hr	2210lb	233lb
RPMS24-1440-BEAST	Standard	1440W	79 x 154"	1440Ah	315W	27hr	14hr	2400lb	
RPMS24-720-MINI	Mini	720W	79 x 77"	720Ah	157W	27hr	7hr	1650lb	140lb
RPMS24-720-MINI-3P	Mini	1080W	119 x 77"	720Ah	180W	24hr	7hr	1700lb	107lb
RPMS24-1440-MINI	Mini	720W	79 x 77"	1440Ah	157W	55hr	14hr	2160lb	135lb
RPMS24-1440-MINI-3P	Mini	1080W	119 x 77"	1440Ah	236W	36hr	14hr	2210lb	114lb

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## Horizontal Wind Turbine

The wind turbines are lightweight at less than 10.5kg and are designed for ease of installation and long service life. The generator is a very low cogging force design for better performance in light winds and is packaged in a fully sealed die cast aluminum enclosure. There are no brushes to wear out or cause electrical noise and the bearings are sealed so the system is maintenance free. The blades are glass reinforced nylon for high strength, UV resistance and fatigue resistance. The turbines are 12V/24V auto voltage select. The unit includes an embedded smart battery charge controller and dump load resistor. The dump load helps prevent premature braking and increases the total power delivered to the batteries. It also helps protect the turbine in high winds. The entire blade assembly can be removed easily as 1 piece for hurricane protection. This also makes it easier and safer to install.

The permanent magnets used are Neodymium Iron Boron (NdFeB) for higher power output.

The mounting is on the inside of the top of a 41mm ID standard pole (1.5" Sched 40). The hardware used is stainless steel for corrosion protection. The units can be used in arrays of multiple turbines to increase available power.



## FEATURES

- Integrated Controller with Dump Load to Optimize Performance
- Wind Turbine startup wind speed of 2.1m/s (4.5mph)
- Smooth and quiet running maintenance free sealed turbine
- Sealed die cast aluminum housing for protection from harsh environments
- Very light and compact
- Easy Installation and Maintenance Free Operation
- Electronic over-speed protection

## APPLICATIONS

- Battery Charging Applications
- Wireless Base Stations
- Street Lamps and Signs
- Boats, RV's and static caravans
- Surveillance Cameras
- Electric Gate Openers, Electric Fences
- Remote Cabins and buildings
- Security Systems

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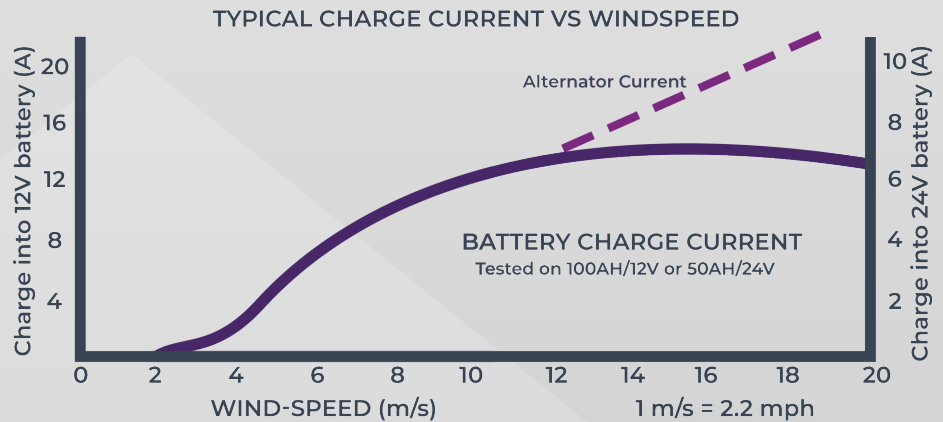


# Wind Turbine Specifications

## TPW-400DT-12/24

Startup Wind Speed	2.1m/s (4.5mph)
Power Rating	300W @ 12.5m/s
Max Power Output	400W
Battery Charge Voltage Range	12V = 14.7 to 15.2V ; 24V = 29.4 to 30.4V
Turbine Voltage Output	12V or 24V Auto Select Battery Voltage
Controller Operation 12V/24V	<14.5V or 29V 100% to battery
>14.5V or 29V Split Power to Battery and Dump Load	13" (330mm)
>15V or 30V 100% to Dump Load	63" above deck (1600mm)
Rotor Diameter	1.2m (3.9ft)
Blade Material	Glass reinforced nylon
Body	Die Cast Aluminum
Weatherproofing	IP65 and Salt Mist Corrosion Protected
Over-speed Protection	Electronic with integrated dump load
Survival Wind Speed	50m/s (112mph)
Noise Level (Measured at 3 meters)	50dBA Typ @ 450RPM
Wind Load	Wind Surface Area 375 sq in, 30lbs @ 60MPH, 67lbs @ 90MPH
Certifications	CE , RoHS
Mounting Pole Required	41mm (1.614") ID (Example 1.5" Sched 40)
Operating Temperature	-40C to +60C (-40F to + 140F)
Weight	10.5kg (23lb)

WIND SPEED	RPM	AMPS
MPH	r/Min	12V/24V
4.5	120	0.04 / 0.01
5.6	150	0.23 / 0.08
7.4	200	0.67 / 0.32
9.4	250	2.7 / 1.0
11.2	300	5.2 / 2.5
13.2	350	6.9 / 3.3
15	400	8.7 / 4.3
16.8	450	9.3 / 5.5
18.8	500	10 / 6.0
20.6	550	11 / 6.7



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