

**Triangularwave Technologies, Inc. (TWT®)**

# **WATER & FLUID MANAGEMENT SOLUTIONS**

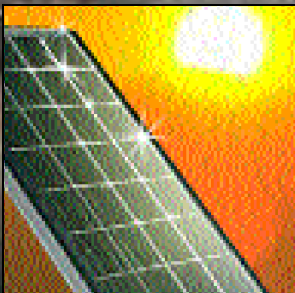
**Control Scale Deposits, Algae, Bacteria And Corrosion  
Without The Need For Chemicals.**

**Versatile Fluid Management Products & Systems To Effectively Meet  
The Needs of Any Industry & Application (P.O.E./P.O.U.)**

**Residential • Commercial • Industrial**

**Engineered for Performance & Value**

**Explore New Innovative Ideas Using Mobile Solar Power with TWT® Chemical-Free  
Water Treatment Technology.**



**The Power Of The Sun**

**The Most Economical and Effective Way To Produce Safe Drinking  
Water Anywhere... AnyTime!**

**Sensing and Solving Environmental Needs with Intelligent  
Solutions. Conserves Energy, Clean, Quite and  
Transportable All-In-One Systems.**

**Renewable Energy On Wheels**



**Mobile Solar Power with TWT®  
Chemical-Free Water Treatment  
Technology All-In-One System**

**Mobile solar powered units are  
system integrated, engineered and  
designed to produce safe drinking  
water dependably and economically  
from a wide range of problem input  
sources. The systems are well suited  
for various applications in areas with  
no power and poor water quality.**

**System Solutions For Site-Specific  
& Application-Specific Needs**

TWT-MP3K18-CM6



## Triangularwave Technologies, Inc. (TWT®)

Mobile Solar Power with TWT® Chemical-Free Water Treatment Technology All-In-One System

# INTEGRATED WATER TREATMENT SYSTEM IN A SECURE CABINET

This cabinet mounted system offers very efficient water treatment.

The lockable cabinet safeguards the equipment against tampering and manipulation, for peace of mind when used in critical environments.

### Triangular Wave Technologies, Inc. All-In-One fluid management systems, the ultimate in water treatment & conditioning

TWT® systems are factory engineered and assembled, applying all of the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution.

TWT® Filtration, Microprocessor Deposit Controller, Reaction Chamber, Ozone Injection Technology, UV Disinfection units, manual shut-off valves and monitors are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water contamination dangers.

The TWT All-In-One Fluid management water disinfection/purification systems are unique, compact, self-contained units for the treatment & conditioning of water.

### TWT-ICM6 Cabinet Mounted System



<b>Maximum Rated Flow:</b>	Based on solar powered running time: 57 liters per minute UV1500 (15 GPM) 3420 liters/hour, 82,080 liters/day (900 gallons/hour, 21,600 g/day)
<b>Initial UV Dose at Rated Flow:</b>	27mJ/cm <sup>2</sup> (27,000 uwsec/cm <sup>2</sup> )@95%T
<b>Electrical:</b>	100-130V / 50-60 Hz • 220-240 / 50-60 Hz
<b>Maximum Operating Temp:</b>	37°C (98.6°F)
<b>UV Maximum Operating Pressure:</b>	125 psi-8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	1" MNPT In/Out
<b>UV Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Static Mixer:</b>	1" In/Out
<b>Deposit Control Technology:</b>	TWT Microprocessor with Reaction Chamber
<b>Filtration:</b>	Backwashable Carbon Filter
<b>Ozone Injection:</b>	Air Dryer, Ozone Generator, Contact Tank, Venturi Injector
<b>Polish Filtration:</b>	20 and 5 Micron Sediment, 10 M Carbon On board Pump
<b>Cabinet Size:</b>	66L X 66H X 31D

**Note:** Poor water conditions may effect the flow rate (GPM) do to filter pressure with in and/or across the filters when in operation.

All systems are shipped with easy to follow application, installation and maintenance manuals.

#### **Note:**

TWT Inc. recommends that an initial supply of replacement products e.g., replacement filters, UV lamps etc. be stored at owners facility at all times, that will insure uninterrupted service and treatment.

TWT water treatment systems are ruggedly constructed for exceptional performance. These systems are ideally suited for fresh and well water application and anywhere the need for cleaner water to use and drink are required. The rugged self-contained design of these systems ensure that the system will enjoy a long and reliable life cycle when properly cared for.

Email: [info@triangularwave.com](mailto:info@triangularwave.com) • [triwaveinc@aol.com](mailto:triwaveinc@aol.com)  
Websites: [www.triangularwave.com](http://www.triangularwave.com) • [www.twtwatertreatment.com](http://www.twtwatertreatment.com)





## Triangularwave Technologies, Inc. (TWT®)

Mobile Solar Power with TWT® Chemical-Free Water Treatment Technology All-In-One System

# MOBILE SOLAR POWERED... RENEWABLE ENERGY ON WHEELS



All systems come equipped with high powered solar arrays that consist of high quality photovoltaic panels. Large maintenance-free eco-friendly battery bank, state-of-the-art electrical distribution and conversion technologies to give you the highest quality and most reliable mobile power systems in the industry.

Designed to be completely self-contained, autonomous power generation system using only the power of the sun and wind (optional) as a fuel source.

### Optional Equipment Available:

- Wind Turbine • Hood Lights
- Secure Tool Storage Boxes
- Work Station with Desk, Canopy Lights
- Water Fill Stations (Storage Tanks)
- Fresh Water Treatment System
- Brackish Water Treatment System
- Seawater Treatment System
- Renewable energy units on wheels are available in several sizes to meet your application and power requirements!

In order to ensure the greatest level of performance and satisfaction in your work with the TWT products & systems, we recommend that you contact our engineering staff, who will be pleased to work closely with you to determine the optimal application and installation for your industry specific needs.

### MP-3K (18 panel) 3 KW (30 Kwh battery bank)

CATEGORY:	# PIECES	Units/ Desc..	Data US
Ext. Dimensions: LxWxH		OPEN)	224"x190"x159"
Ext. Dimensions: LxWxH		(CLOSED)	224"x88"x98"
Weight:		(DRY)	6,200 LBS
Construction:		(MATERIALS)	Steel, Aluminum
Solar Panels:	18	(TOTAL WATTAGE)	3,150 W/h
Batteries:	16	(CAPACITY)	30 Kwh
Inverter:	1	(VDC, WATTS)	48VDC, 3KW, 230 Vac, 50 Hz
Charge Controller:	1	(TYPE, CURRENT)	MPPT, 80A
Wind Turbine (Optional)	1	(TOTAL WATTAGE)	400 W/h

- **Zero Fumes • Zero Emissions • Zero Noise**
- **Minimal Maintenance • Worldwide Mobility**
- **Plenty of Power • Sophisticated Photo Sensors and Controls**

Conserve Water, Save Energy...Non-Chemical, Safe, Cost-Effective Treatment System:

**TWT® The Ultimate in Alternative Energy, Water Treatment & Conditioning**

**The Green Way**



**CHEMICAL-FREE**