

designed and created  
for your needs

Designed to provide  
an exceptional level  
of performance  
for every work on site  
ensuring the right  
balance between power  
and ease of use

protection  
security  
control



## X-SOLAR SAFETY



### Construction sites

Monitor perimeters or remote sections of a green job site.



### Industrial plants

Surveillance for zones where noise and emissions must be minimized.



### Public events

Quiet, non-invasive presence for safety and control at concerts or festivals.



### Off-grid areas

Perfect where no power is available—solar-ready and plug-in options.



### Emergency setups

Mobile security for rescue missions or disaster response, without noise or emissions.



### Urban monitoring

Ideal for city surveillance projects in residential or silent zones.

more sustainable  
and environmentally  
friendly future





# X-SOLAR SAFETY

protection  
security  
control



ZERO  
emissions

ZERO  
noise

plug-in  
POWERED

## key Features

6 m manual vertical galvanized mast

Winch auto brake – available as option Trime  
automatic patent mast brake

Special steel frame complete with **3 solar panels** (one per side)

Designed for **CCTV, lighting or sensors** (user-selectable head)

Fully mechanical lifting system – no tools or electricity needed

4 extractable stabilizers for secure setup on uneven terrain

Plug-in powered: connectable to mains, generator,  
or battery pack

Forklift pockets on all sides for easy handling

Compact footprint – **up to 22 units per truck**

Weatherproof galvanized steel body

Technical data	
Mast	
Lifting Method	Manual
Max Mast Height (m)	6
Rotation	no
Safety brake	Mechanical
Power Options	
Input power from mains or generator, predisposition for Battery Pack (not included)	
Dimensions	
Transport dimensions (mm) LxWxH	1220x1220x2500
Dimensions in operation (mm) LxWxH	2500x2500x6000
Weight (kg)	524

Dimensions	Internal – space available for user to fit electrical components inside the tower
Length (mm)	895
Width (mm)	350
Height (mm)	895



easy handling & transportability

STATIC  
SOLAR  
maximum  
protection  
Built for quiet  
sustainable  
surveillance

## User Benefits

100% silent and emission-free  
when used with solar or battery

Sustainable alternative  
for eco-sensitive areas or green sites

Quick deployment:  
one-person setup in less than 30 minutes

Compatible with all major CCTV/light systems

Customizable mast head:  
ready for your own monitoring tech

Ideal for off-grid or no-noise environments

Forklift-friendly design  
simplifies logistics and site relocation

Minimal maintenance:  
no complex electronics or motors

can be customized with:



Predisposition  
for customer  
components

Even though Trime supplies the hardware only, the tower is ready to support:

CCTV cameras with software

LED floodlight

Wireless modules (Wi-Fi / LTE)

GPS tracking system

Environmental sensors (dust, motion, temperature, CO2, etc.)

UPS or battery systems

Anti-theft Sensor/alarms

Custom paint and branding



**22 units per truck**  
Safe packaging and loading  
allowing quick unloading

Trime Security Towers are delivered as open, ready-to-use platforms, and can be customized with:

- Surveillance systems (CCTV, PTZ, IP)
- LED lights, environmental sensors, motion detectors
- Wireless connections (Wi-Fi, LTE, 5G)
- Alarms, sirens, UPS, GPS
- Custom branding with logos and company colors

Clients can integrate their own systems or rely on trusted partners.

## FAQ

### Frequently Asked Questions

#### **How is it powered?**

It runs on solar energy via panels , via solar battery if customer will add 2 batteries inside or can be plugged into External power sources.

#### **Is it truly silent?**

Yes. With solar or battery, it's completely silent and suitable for residential or noise-sensitive areas.

#### **Can I use it at night or with no sun?**

Yes – when combined with a battery pack or connected to a generator, it works 24/7.

#### **Do I need tools to lift the mast?**

No. The mast uses a manual mechanical lift, easy to raise by hand.

#### **Can it be moved easily on site?**

Yes. It has forklift pockets on all four sides, and the compact design allows for fast repositioning.

#### **Is the mast head fixed or adaptable?**

It's an open T-Bar, designed to support any equipment: cameras, lights, sensors, etc.

#### **Is it weather-resistant?**

Absolutely. The frame is made from hot-dip galvanized steel, built for harsh outdoor conditions.



**TRIME®**

Sales Dept. +39 0382 406 252 - [www.trime.it](http://www.trime.it) - [info@trime.it](mailto:info@trime.it)