

Meet our new, off-grid Mobile Security Platform





The equipment shown in this brochure is for reference only and is not included!

About TelescopicMast

At TelescopicMast, we understand the pressure to keep sites safe – especially when things are happening fast and the stakes are high. That's why we've made it our mission to deliver seriously reliable, rapidly deployable CCTV towers that simply get the job done.

Since launching in 2018, we've become a trusted name for over 200 customers in more than 30 countries, worldwide. From construction sites and event venues to remote infrastructure, solar parks, data centres and military zones, our towers are out there every day – helping security teams like yours stay in control, whatever the environment.

We design and build everything ourselves. Our engineers obsess over the details, making sure every mast and trailer is tough, easy to deploy and ready to work with your preferred surveillance equipment. Nothing off the shelf – just smart, practical design that stands up in the field.

Behind the scenes, we've got a team of logistics and customer service professionals to keep things running smoothly. Orders ship fast, support is always a phone call away, and we listen when you tell us what you need.

Our flagship product – the Mobile Security Box – is designed to be flexible, future-proof and tough enough for the real world. And yes, it's been put through its paces and certified by TÜV Rheinland, so you know it's safe and sound.

After all, we're not just here to sell you a product. We're here to be a partner you can count on, whether you're rolling out five units or fifty.

Thank you for being part of the journey.

Frank Aben & Henk de Haan
Co-Founders, TelescopicMast



Frank Aben
Co-founder | Product Director



Henk de Haan
Co-founder | CEO

Contact

For more information on TelescopicMast's surveillance towers and transportation solutions, contact our office. A trusted expert in security deployments can provide tailored solutions to meet your specific needs.

Reach out via phone at +31 634 185 799 (sales)
or mail your request to: info@telescopicmast.com

Compact, off-grid security made simple

The MSB-Edge is a compact, mobile security tower designed for rapid deployment in off-grid or remote environments. Built from galvanised steel and transportable with our TMT-1300 and TMT-2500 trailers, it is easy to transport and quick to install. A three-piece telescopic mast extends up to five metres, providing a stable platform for cameras or lighting. The unit includes three integrated, angled solar panels to maximise energy capture, along with

internal space for batteries, electronics, and optional fuel cells. Its plug-and-play setup enables fast, autonomous operation without external power. A lockable steel cabinet and IP66-rated patch box protect the system from theft and weather.

Developed with input from global system integrators, the MSB-Edge delivers durable, off-grid surveillance in a flexible, easy-to-deploy format.

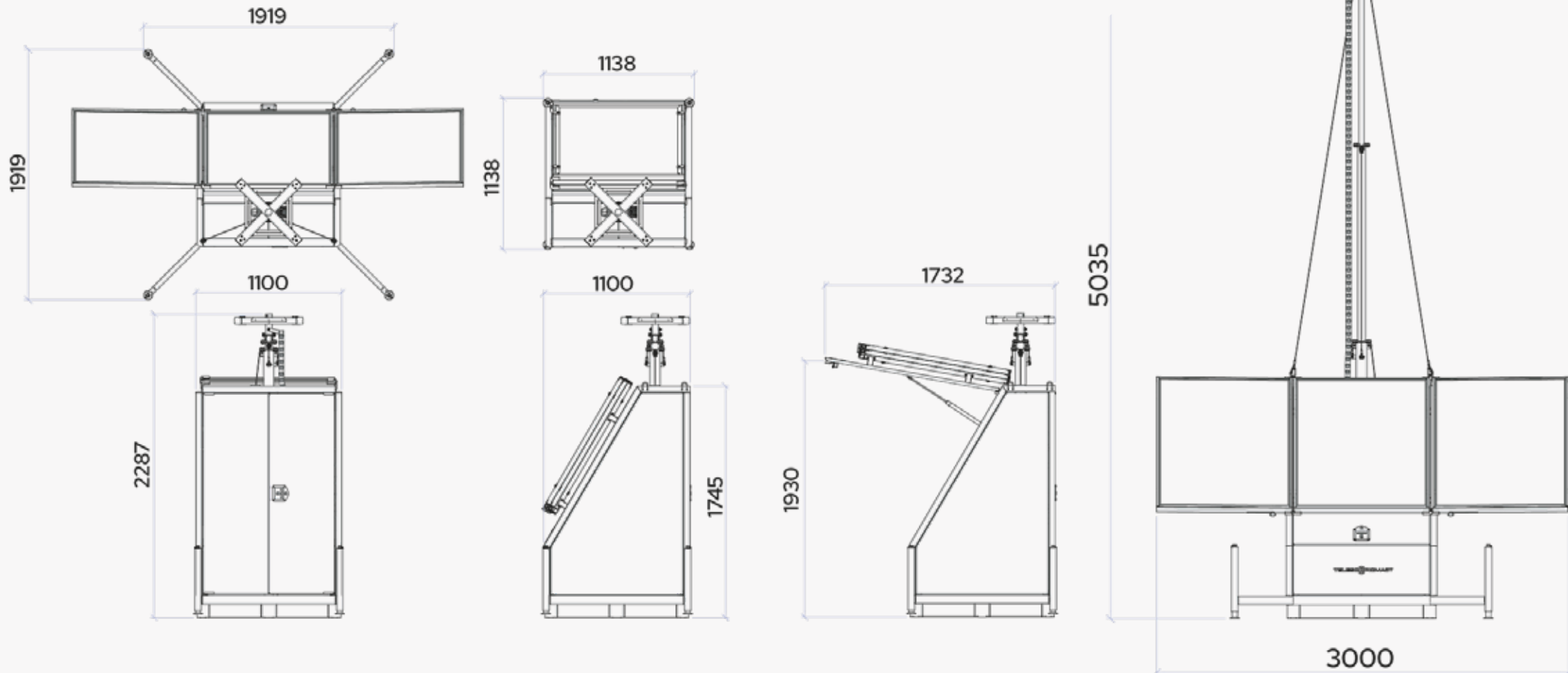


Solar power for reliable off-grid operation

The MSB-Edge features three integrated solar panels, delivering stable, off-grid energy for remote deployments. Produced by a certified industrial manufacturer, the panels are built for durability and consistent performance.

Angled mounting maximises sunlight capture, supporting efficient power generation. Paired with internal batteries and optional fuel cells, the system enables the possibility of continuous operation.

This solar setup enables dependable, autonomous surveillance without the need for external power, making the MSB-Edge ideal for off-grid security.



Features and specifications

Features MSB - Edge	Specifications	Electrical specifications	
Mobile unit easy to transport to site	Transport size (LxWxH): 111x111x229 cm	STC	
Easy to store		AM1.5	
Basic ground frame	Required extended floorspace (LxW): 192x192 cm	Temperature 25°C	
Easy to install by one engineer		Irradiance 1000 W/m2	
Forklift slots, for easy transportation	Weight; 400 kg		
Lifting eyes, for easy transportation and deployment		Power(Pmax)±3%	(W) 220
Stable telescopic mast	Total height with extended mast; 501 cm	Power Tolerance (.Pmax)	(W) 0~+5
Automatic safety stop		Max.Power Voltage (Vmp)	(V) 30.39
Multifunctional masttop bracket; design your own solution.	Adivised maximum weight in masttop: 60 kg	Max.Power Current (Imp)	(A) 7.24
Four spoke masttop for CCTV cameras or floodlight		Open-circuit Voltage (Voc)±3%	(V) 35.70
Spirit level for easy installation	Maximum windload without stabilisers: 90 Km/h	Short-circuit Current (Isc)+3%	(A) 7.75
Cylinder locks on all sides			
Prepared for additional security lock	Maximum windload with stabilisers: 115 Km/h	NMOT:	
Fully lockable cabinet		AM1.5	
Vandal resistant cable conduit	Manual CE approved winch 550kg	Temperature 20°C	
Roof climb protection		Wind speed 1m/s	
Patchbox / IP66 box installed	Steel galvanised construction	Irradiance 800 W/m2	
4 stabilising cables, reducing vibration and false alarms			
Stabilised by 4 stabilisers	Steel galvanised mast	Peak Power (Pmax)±3%	(W) 164.56
Sides suitable for branding with logos or messaging		Max.Power Voltage (Vmp)	(V) 28.27
Double cabling in mast (safer for people and equipment)	3-part premium telescopic mast	Max.Power Current (Imp)	(A) 5.82
Sufficient space for installing batteries or fuel cells		Open-circuit Voltage (Voc)	(V) 33.21
Hoisting mast RVS316 stainless steel cables	Certifications	Short-circuit Current (Isc)	(A) 6.27
Hydraulically pressed cable clamp			
Manual included	ISO9001	Operating Temperature	(C°) -40~+85
Warning labels	CE	Max. Series Fuse Rating	(A) 15
Nylon wheels with bearings	TÜV	Max. System Voltage (DC)	(V) 1000 (IEC)

Dimensions of PV module

Module dimensions:

1080*952*30 mm

Module weight:

9,92 kg

Mechanical specifications

Solar cells mono-182*50 mm

Arrangement type-5*10*2

Front glass 3.2mm tempered glass

Backsheet fluoride on both sides

Frame anodized aluminium alloy

Junction box IP68, 2 diode

Cables 4.0mm. photovoltaic cables

Connectors MC4 compatible/IP67

Maximum load capacity Snow-3600Pa/Wind-1600Pa

Safety rate glass II (IEC)

Fire rate glass C (TUV)

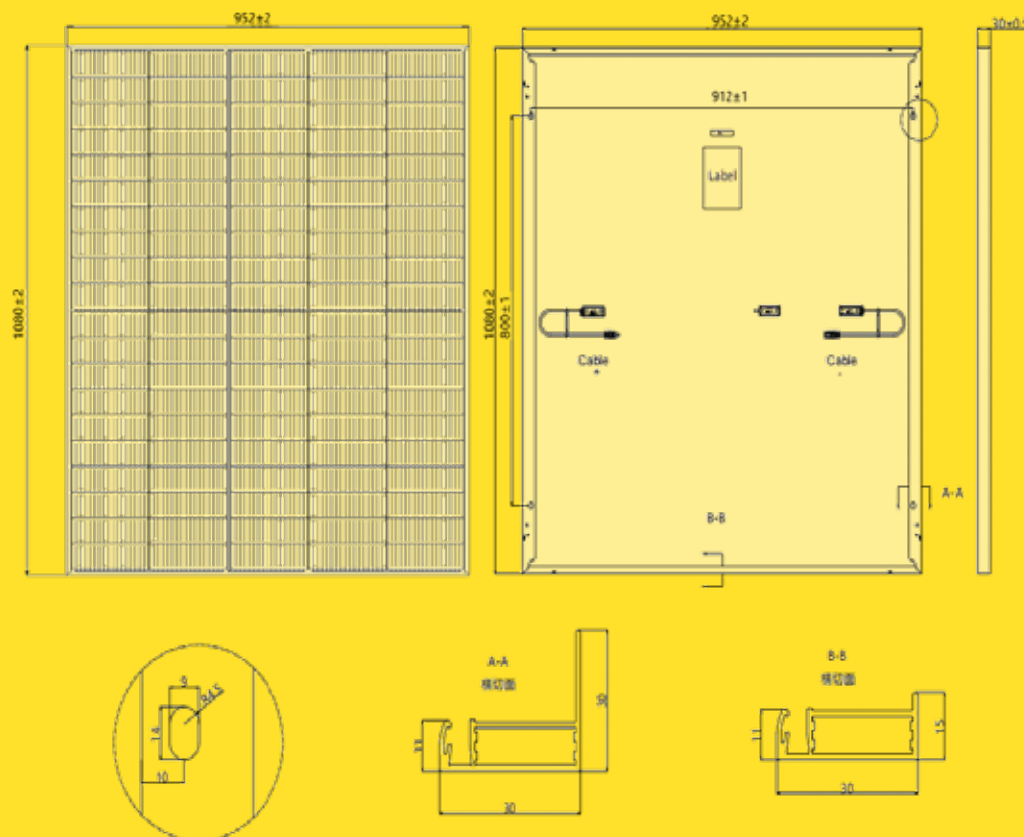
Temperature characteristics

Temperature coefficient (Pmax) .[%/°C] -0.35

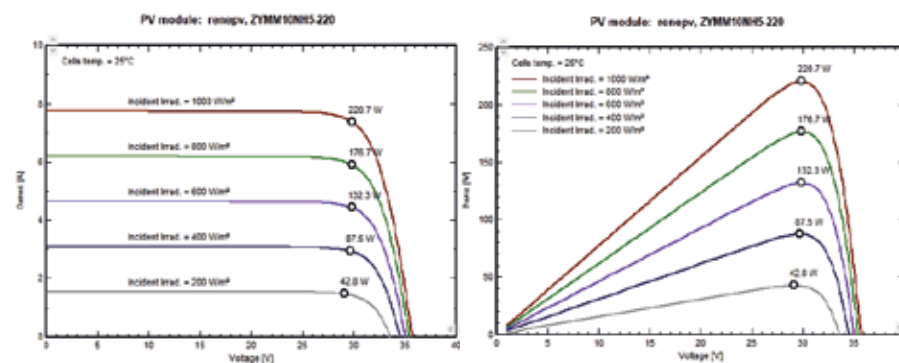
Temperature coefficient (Voc) .[%/°C] -0.29

Temperature coefficient (Isc) .[%/°C] +0.046

Nominal operating cell temperature NMOT 44 C°



I-V & P-V Curves



More on <https://telescopicmast.com>

TELESCOPICMAST

Creating global site security

