

Mobile Solar Surveillance Tower with Electric Mast

This mobile solar surveillance tower provides off-grid surveillance capabilities for outdoor security. It features a 7m electric telescopic mast, solar panels, and a battery for continuous monitoring in various environments.



ADDITIONAL IMAGES



Overview



The surveillance tower provides intelligent, green, and high-performance security for remote locations.



The tower features a self-contained, portable security solution designed for outdoor applications.

Mobile Solar Surveillance Tower

This fixed, off-grid, solar-powered surveillance tower is engineered for robust outdoor security. It features a 7-meter electric telescopic mast, high-efficiency bifacial solar panels, and a large-capacity battery system to ensure continuous 24/7 monitoring without grid power. Designed for versatility, it includes tamper-resistant wiring and modular connectivity, making it an ideal solution for construction sites, parking lots, and emergency scenarios.

Power System

Solar Array

3 units

Panel Count

450 W

Power per Panel

Battery Capacity

Model	Capacity
BL3P-L7EHCS0B	10.24 kWh
BL3P-L7EHCS0P	15.36 kWh

Solar Features

Bifacial, 0°-60° Electrical Tilting, Foldable Design

Battery Chemistry

LFP (Lithium Iron Phosphate)

Mast & Structure



The electric mast allows for remote height adjustment, optimizing camera angles for 360-degree coverage.

Mast Features

- Electric Lifting System
- Hot-dip Galvanized Steel
- Internal Wiring

Mast Height

6.5 m

Trailer Specifications

Single Axle, Foldable Tow Bar, Forklift Holes, Lift Rings

Surveillance & Connectivity

CCTV Box Capabilities

- 350° Rotatable
- 6-sided design
- Back-opened access
- 8-Port POE Switch included

Optional Accessories

Cameras • 4G Router • NVR • Loud Speaker

Operational Performance



Designed for easy deployment and relocation, this tower is an eco-friendly alternative to traditional surveillance systems.

Battery Backup

Model	Load Capacity	Runtime
BL3P-L7EHCS0B	114W	72 Hours
BL3P-L7EHCS0P	170W	72 Hours

Operating Temperature	-20°C to 55°C
-----------------------	---------------