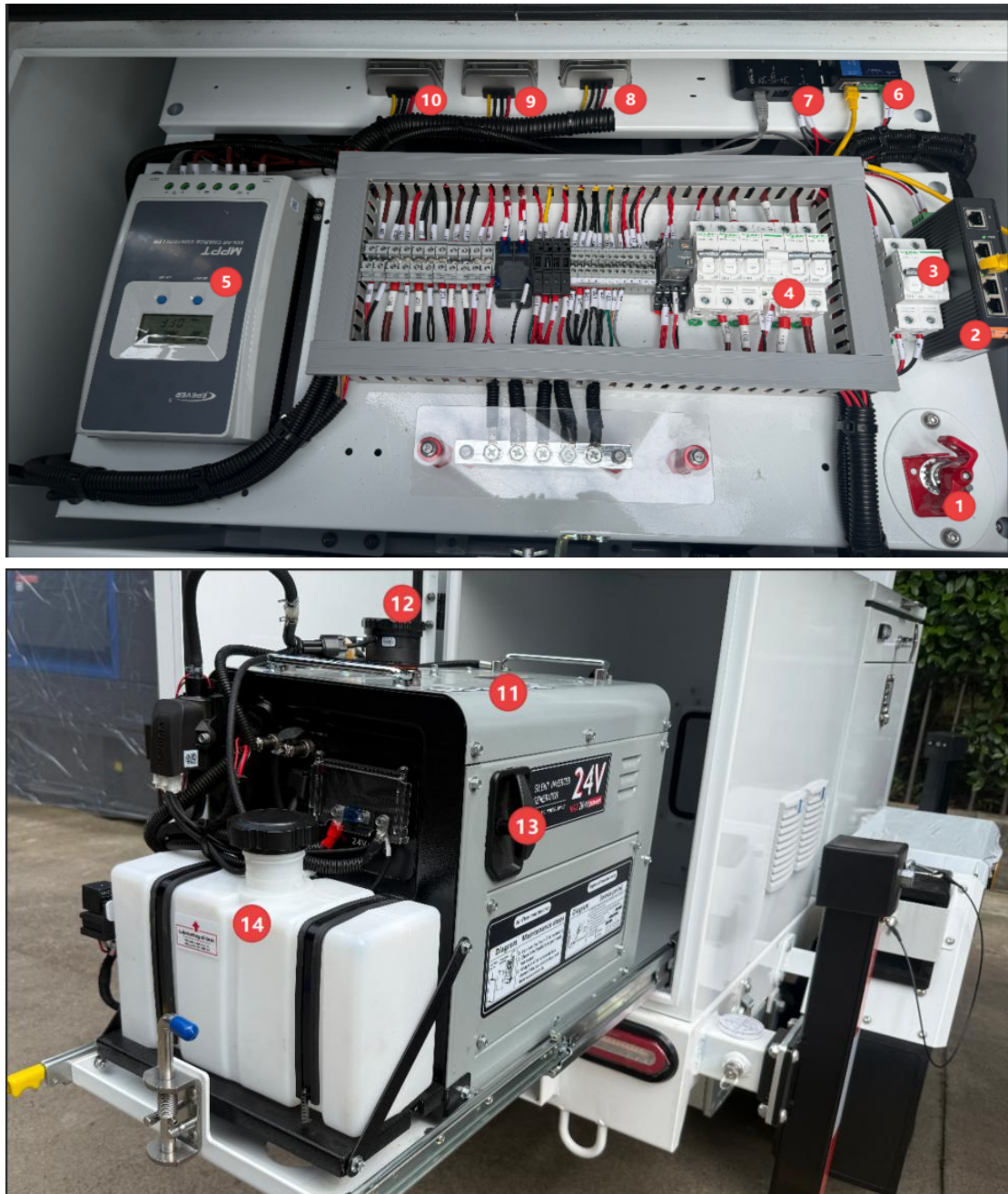


QUICK DEPLOYMENT GUIDE

1. Introduction





①	Battery Isolater	Isolate the battery system
②	Non POE Switch	To get the TCP 306/NVR connected with the POE switch placed in the mounting box on top of the Mast
③	Breaker	
④	Breaker	
⑤	MPPT	Solar Panel & Battery charging and discharging control system

⑥	Remote Module “TCP306”	Remotely monitor the Battery and PV status
⑦	1M2S	RS485 splitter for the controller
⑧	24V to 12V Convertor	
⑨	24V Voltage Stabilizer	Stabilize the power output
⑩	24V to 48V Convertor	
⑪	Generator	
⑫	Generator gasoline tanker cap	
⑬	Generator switch	Only use when the on-screen start button failed to work
⑭	Auxiliary Engine Oil Tanker	
⑮	Auxiliary gasoline tanker cap	
⑯	Fuel meter	Display the gasoline level
⑰	Local Display “MT50”	Locally monitor the Battery and PV status

2. Installation, wiring & working status check for NVR and other needed equipment placed in the Cabinet

- ❶ Fix the NVR and other needed equipment on the installation board
- ❷ Connect with the power cable for the NVR and other needed equipment, and test if it could start normally
- ❸ Connect the network cable which go up to the camera mounting box for the network equipment

3. Installation, wiring & working status check for IPCs & IP

Speaker on the Mounting box

- ❶ Take down the side mounting plates from the mounting box
- ❷ Fix the IPCs & and IP Speaker on the mounting plates
- ❸ Fix the side mounting plates back to the mounting box
- ❹ Wire the power cable, testing if the IPCs and IP Speaker could start normally
- ❺ Connect the IPCs, IP Speaker, Router and the device from the cabinet with the POE Switch in the mounting box, test if the network works as expected.

4. Trailer Outdoor set up

- ❶ Switch off the battery isolater, also the breaker for Battery/PV/Strobe light before move the trailer to outdoor

- ② Place the trailer on firm ground that is relatively flat. This will make it easier to level the tower. Apply the hand brake and block the wheels on the trailer to prevent it from moving.
- ③ Adjust the trailer so that the solar panels face the sun.

5. PV (Solar Panel) Angle & Direction adjustment

- ❶ Fix the angle of the PV to have the best efficiency of power generation.
- ▶ The best average angle for solar panels throughout the year is approximately equal to the latitude of the location. Refer to the table below based on your location.

Location Latitude	Suggested Angle (Summer - Winter)
Miami, FL 25°N	10-30
Phoenix, AZ 33°N	15-40
Los Angeles, CA 34°N	15-35
New York, NY 40°N	20-45
Chicago, IL 42°N	20-45
Seattle, WA 47°N	20-40
Houston, TX 29°N	15-35
Boston, MA 42°N	20-45
Denver, CO 39°N	20-40
Washington, DC 39°N	20-45

- ▶ Open the cabinet at the rear of the trailer, flip the switch on the solar panel(A), and adjust it to the appropriate angle (the recommended angle is the local latitude, we usually also recommend holding down the button to adjust the angle to its maximum.).



A



B

- ② Fix the direction of the PV to have the best efficiency of power generation
 - ▶ Pull out the pins on both sides(B), turn the solar panel to face to the sun (face to the south if located in the Northern Hemisphere. face to the north if located in the Southern Hemisphere)
 - ▶ Put the pins back to fix the mast (B).

6. Fix the trailer on the ground

- ① Pull the locking pin on the outrigger and pull the 4 outriggers. **(please refer to the video demo)**
- ② Turn the jack handle clockwise to start leveling the trailer. Adjust all four jacks by turning their handles clockwise until they are firmly in contact with the ground and the trailer is as level as possible. **(please refer to the video demo)**

7. Turn on the Power

- ① Turn on the battery power
- ② Switch on the Battery Isolater
- ③ Switch on the Battery breaker
- ④ Switch on the PV breaker

IMPORTANT: Need to strictly follow the above steps, or the MPPT would not be able to read the the battery status information.

8. Adjust the IPCs surveillance angle & Raise the Tower