RPS MODULAR KIT

Self sufficient, pole mounted solar security solution.

1800 161 162 | SALES@RAPIDPOWERSYSTEMS.COM.AU

RAPID Power Systems

INVENTORY:

- 4 × Adjustable screw jack legs
- 1 × Base frame
- 1 × Powder-coated round pole (2-piece)
- 1 × Enclosure with enclosure sleeve attached
- 1 × Hinged pole sleeve with 4 socket-head bolts
- 1 × Solar panel with bracket sleeve
- 8 × Threaded rods
- 4 × M32 nuts
- 2 × Base plates with eyelets
- 2 × Guy wires with turnbuckles
- 24 × Concrete weights

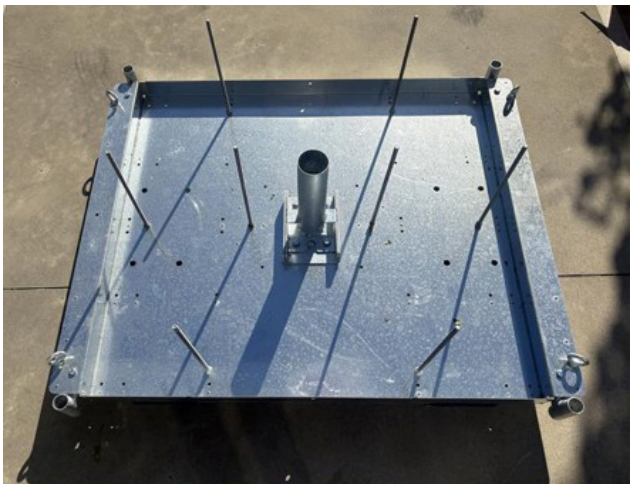
TOOLS REQUIRED:

- Adjustable spanner (shifter)
- 18 mm socket and ratchet
- Spirit level

STEP 1: POSITION THE BASE FRAME

- Position the base frame in the desired location.
- Install the 8 threaded rods into the base frame and ensure they are securely fitted.

Important: Determine the direction in which the pole will hinge before proceeding.

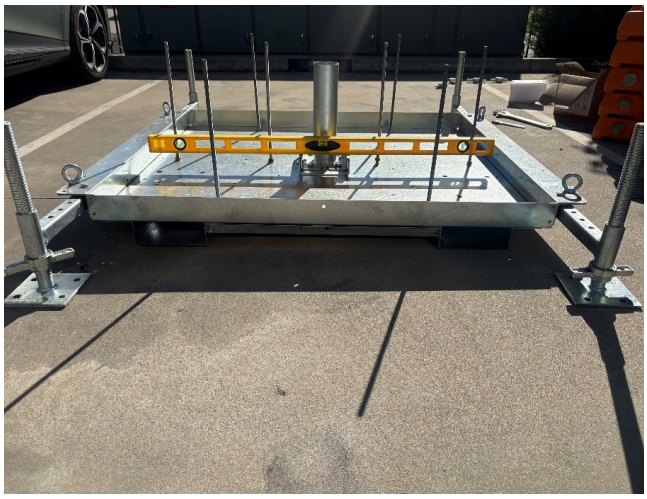


STEP 2: INSTALL ADJUSTABLE LEGS

- Insert the adjustable screw jack legs into each corner of the base frame.
- Adjust each leg to achieve the required height and extension.

STEP 3: LEVEL THE BASE

- Using a spirit level, adjust the screw jack legs until the base frame is level in all directions.
- Ensure the forklift entry points are not carrying any load.
- Once level, tighten the locking wing nuts to secure each leg in position.



STEP 4: INSTALL INITIAL WEIGHTS

- Identify the pole hinge side of the base.
- Leave the hinge side free of concrete ballast weights and load the remaining three sides with weights.
- Use the remaining blocks as a support for the pole section during assembly.

STEP 5: INSTALL POLE SECTIONS

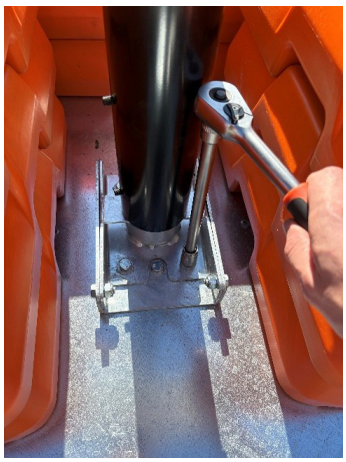
- Remove the four bolts securing the hinged pole sleeve to the base and carefully lower the sleeve.
- Insert the lower pole section into the sleeve and secure it using the grub screws.
- Join the upper pole section using the steel coupler and tighten all grub screws securely.
- Verify that both pole sections are fully seated and aligned.

STEP 6: INSTALL ENCLOSURE AND SOLAR PANEL BRACKET

- Slide the enclosure sleeve assembly onto the pole and position it at the required height.
- Orient the enclosure correctly and tighten all grub screws.
- Install the solar panel bracket sleeve above the enclosure and orient it towards **true north.**
- Tighten all grub screws securely.
- Open the enclosure and switch the breakers to the **ON** position.
- Connect the solar panel cable to the external enclosure connection.

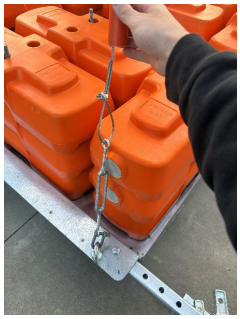
STEP 7: ATTACH GUY WIRES AND RAISE THE POLE

- Attach the two guy wires to the eyelets located on either side of the pole.
- Using two people, carefully raise the pole into the vertical position.
- Maintain control of the pole at all times during lifting.
- Once the pole is fully upright, secure the hinged pole sleeve by tightening the four base bolts.



STEP 8: INSTALL REMAINING WEIGHTS AND TENSION GUY WIRES

- Install the remaining concrete weights.
- Fit the washers and tighten all nuts on the threaded rods.
- Attach the guy wire turnbuckles to the base eyelets.
- Adjust the turnbuckles evenly until the pole is plumb and the guy wires are tensioned correctly.
- Slide the orange protective covers over the turnbuckles and secure them with the retaining bolts.



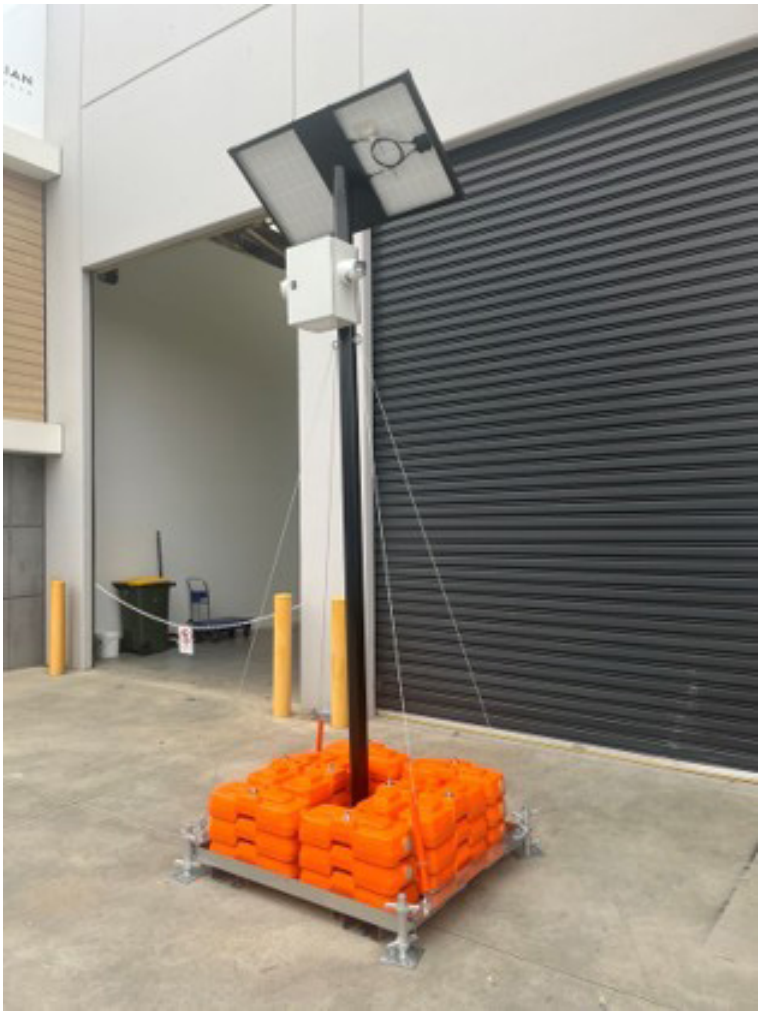
STEP 9: COMMISSIONING AND FINAL CHECKS

Using the VictronConnect app, confirm:

- Battery voltage is within normal operating range
- Solar charging input is active
- Load current is operating correctly
- No system alarms or faults are present

Perform a final inspection to ensure:

- All fasteners are tightened
- Guy wires are correctly tensioned
- Concrete weights are securely positioned
- Solar panel orientation is correct
- Enclosure doors are closed and secured



YOUR INSTALL IS COMPLETE