



Temple SunPower TSP242 Solar Camera Site Cabinet Assembly

Overview

The Temple SunPower TSP242 Solar Camera Site Cabinet Assembly is designed for housing the equipment needed to operate an IP PTZ dome camera (which shall include Day/Night functionality, backlight compensation and wide dynamic range) and sensors, which collect and transmit information to the TMC through cellular modem communication, fiber communication, radio communication or other communication methods in areas where AC power is unavailable.

The standard equipment includes, but is not limited to, cellular modem and antennas, managed field Ethernet switch, surge protection, solar charge controller, batteries and solar panels.



Performance Features:

- ✓ Cabinet Dimensions of 43.25"H x 26.25"W x 14.625"D.
- ✓ Meets NEMA 3R Requirements for cabinet enclosure.
- ✓ Constructed of 0.125" thick 5052-H32 aluminum alloy.
- ✓ Three-point door locking system.
- ✓ Door stop to hold the cabinet door open at 90° and 120°.
- ✓ EIA rails supplied for panel and equipment installation.
- ✓ Total of (3) shelves supplied.
- ✓ Cabinet door features #2 pin-tumbler locks, unless otherwise specified.

Equipment Included:

Power

Solar Panels (QTY 2)

Watts: 190
Amps: 5.2
Volts: 36.5

Batteries (QTY 2)

Ah: 100
Volts: 12

Charge Controller

Low Voltage Disconnect
Pulse Width Modulation
Volts: 24
Amps: 20

Communication

Intelligent Mobile Gateway

Supports 4G LTE Networks
10/100 Base-T RJ45 Ethernet
RS-232 Serial Port
USB V2.0 Micro-B Connector
3 SMA Antenna Connectors
Active Antenna Support

Low Profile Cellular Antennas

4G LTE Compatible
OMNI Direction Radiation Pattern
Vertical Polarization

Ethernet Switch

8x10/100Base-T(X) SFP Ports
2x100/1000Base-X SFP Ports
Clean-Code Technology



Surge Protection

	Power-Over-Ethernet
Operating Voltage:	48 VDC
Clamping Voltage:	68 VDC
Operating Current:	0.75 A per Pin Continuous
Peak Surge Current:	10 kA
Insertion Loss:	< 0.1 dB
SPD Technology:	GDT, SAD, w series PTC
Certification Type:	UL 497B
Operating Temperature:	-40°C to + 85°C

	Camera Power
Operating Voltage:	24 VDC
Clamping Voltage:	33 VDC
Operating Current:	2.5A
Peak Surge Current:	10 kA (8 x 20 μ s)
Insertion Loss:	<0.1 dB at 10 MHz
SPD Technology:	GDT, SAD w/ Series Inductor
Certification Type:	UL 497B
Operating Temperature:	-40°C to + 85°C