



► Model PVS240W-24 and PVS240W-48

Solar Power Option for Outdoor Sirens

The Federal Signal Solar option provides an all inclusive solar powering option for all outdoor sirens. Solar powering of batteries is an efficient and economical method of powering remote sirens, alerting or control equipment. Solar powering can be engineered for any application. Applications include, but are not limited to, remote tsunami sirens, muster stations and tornado sirens. The PVS240W-24 and PVS240W-48 provide 240W of power for charging of batteries in 24 or 48VDC applications. Both systems are equipped with solar regulators for accurate control, protection and monitoring of the solar panels. Both kits utilize four 60W highly efficient solar panels, each with junction boxes to allow ease of wiring. The mounting hardware is aluminum for light weight and high strength, able to withstand wind loads up to 170 mph. Thirty feet (30') of cable is provided to allow wiring from the panels to the battery cabinet. The solar regulators support gel, sealed or flooded batteries with temperature compensation to extend battery life and improve system performance. Federal Signal will determine the proper direction and tilt for each solar application based on location. Gel batteries are recommended for solar applications.

FEATURES

- Enables remote / unwired deployment of sirens
- Solar power provides continuous charging of batteries
- Radio connectivity for two-way activation and control
- Eliminates expensive trenching of power to remote sites
- Supports mechanical or electronic sirens
- Allows 25 to 60° of tilt for solar optimization
- 24 or 48VDC operation
- Wind loads up to 170 mph

SPECIFICATIONS

Net Weight	115 pounds (52 kg)
Shipping Weight	153 pounds (69 kg)

HOW TO ORDER

Consult the factory for ordering details.

Description	Part Number
Solar Power Option UltraVoice (UV)	PVS240W-24
Solar Power Option Federal Controller (FC)	PVS240W-48

Sample Ordering Configurations for Electronic and Giant Voice Sirens

T W O - W A Y W I T H R A D I O

Configuration 1: Activation Control Point with GUI/PC and Base Radio

X-PC-22	PC with 22 inch monitor
SFCD255	Federal Commander Software (255 RTU's)
SS2000+	Digital and DTMF Control Station, Desk Mount
BSH	Base Station High band Radio Package (order part no. BSU for UHF)
AMB-W	Antenna Mounting Bracket, Wall

Configuration 2: Modulator, Omni-directional electronic speaker array

MOD1004B	400W Modulator Siren
UVTDH	High Band UV Two-way Controller
UV400	Qty 1 – 400W Amplifier
15500007A-02	Qty 2 to 4 – Battery sealed AGM 105Ah (MK Battery 8A31)
OMNI-xx	OMNI antenna, plus cable (Order OMNI antenna that matches desired frequency range)

Configuration 3: Modulator, Omni-directional electronic speaker array

MOD8032B	3200W Modulator Siren
UVTDH	High Band UV Two-way Controller
UV400	Qty 8 – 400W Amplifier
15500007A-02	Qty 4 – Battery sealed AGM 105Ah (MK Battery 8A31)
OMNI-xx	OMNI antenna, plus cable (Order OMNI antenna that matches desired frequency range)

Configuration 4: DSA, Directional Speaker Array

DSA4	Qty 2 – 400W High Powered Directional Speaker Array
UVTDH	High Band UV Two-way Controller
UV400	Qty 2 – 400W Amplifier
15500007A-02	Qty 4 – Battery sealed AGM 105Ah (MK Battery 8A31)
OMNI-xx	OMNI antenna, plus cable (Order OMNI antenna that matches desired frequency range)