



SOLAR POWER SUPPLY

Specifications Sheet

PRODUCT DESCRIPTION

Continuously power Radius® BZ1 Area Monitors and RGX® Gateways in hazard or remote locations with the Solar Power Supply (SPS). The Solar Power Supply helps you minimize the cost and risk of charging and rotating equipment in dangerous, remote locations thanks to its continuous power supply, portability, and durability.

- Eliminate the need for charging or rotating equipment by continuously powering devices with the SPS
- Decrease the amount of time and labor needed to deploy and relocate solar-powered devices with SPS's easy-to-move pieces
- Rugged, durable, and UL/CSA Class 1 Div 2 certified to ensure operational readiness in the harshest environments

CONFIGURATION OPTIONS

The SPS will power one Radius BZ1 Area Monitor or one RGX Gateway, or any one of the following combinations:

- One Radius BZ1 and one RGX Gateway simultaneously
- Two Radius BZ1 area monitors simultaneously
- Two RGX Gateway units simultaneously

The SPS insert assembly supports the mounting of one compatible device of each type. When two compatible devices of the same type are being powered, one can be mounted on the SPS and one can be placed elsewhere, allowing the area monitor to be in the best place for gas detection and Solar Power Supply to be placed in the most optimal location for sunlight.

Give your area monitors unlimited runtime
www.indsci.com/SolarPowerSupply

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SPECIFICATIONS*

WARRANTY

The Solar Power Supply is warranted to be free from defects in material and workmanship for a period of two years after purchase. Radius BZ1 and RGX Gateway paired with the SPS fall under their designated warranty.

KEYPAD

One (power on and off)

INGRESS PROTECTION

NEMA 4X (enclosure) for outdoor usage

MATERIALS

Aluminum stand and bracket assembly with stainless steel enclosure

POWER CABLES

Input - Cable from solar panel to enclosure

Outputs - Intrinsically safe (IS) cables supplying DC power from enclosure to compatible devices

DIMENSIONS

Approximately 0.84 x 1.83 x 1.22 m (33 x 72 x 48 in) when packaged, prior to assembly

WEIGHT

63.27 kg (139.48 lb)

Subassemblies (solar panel assembly, stand, battery, insert assembly, etc.) weigh less than 27.21 kg (60 lb) for ease of handling

TEMPERATURE RANGE

Ambient: -20 °C to +45 °C (-4 °F to +113 °F)

Storage: -40 °C to +75 °C (-40 °F to +167 °F)

HUMIDITY RANGE

20-90% relative humidity non-condensing

OPERATING CONDITIONS

Meets requirements for Electromagnetic Compatibility (EMC) for Class A equipment and meets EMC requirements while connected as a system to a Radius BZ1 area monitor.

DISPLAY/READOUT

None – A compatible product will indicate that it is receiving power from the SPS.

OUTPUT PARAMETERS

U _o	14.7 VDC
I _o	300 mA
C _{ob}	0.58 pF
L _{ob}	0.32 mH

DURABILITY

Can withstand exposure to fungus and salt fog (Up to 96 hours of salt fog)

Unanchored, the SPS can withstand up to 60 mph side or headwinds

CERTIFICATIONS

UL/CSA Class 1 Div 2 certification

POWER SOURCE/ RUN TIME

Indefinitely if its battery remains charged

Recommend daily minimum of 4 hours of direct sunlight to maintain the battery's level of charge



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