



AMEREX – 34124 Solar Powered Power Supply Unit

34124 - Solar Powered PSU

AMEREX Integrated 34124 solar powered power supply unit makes the AMEREX Integrated mesh network truly wireless.

The Solar Powered PSU (SPPSU) provides power not only for the AMEREX Integrated mesh node but to the device as well, for example a gas detector.

The SPPSU is supplied with a battery which under normal conditions powers the mesh node and the monitored device indefinitely. The battery provides power during the hours of darkness. The solar panel provides the power to the device and charging of the battery during the light hours of the day.

AMEREX Integrated, using innovative ideas and technologies, together with our solar powered power supply unit and AMEREX Integrated mesh node technology, has created a system that is truly wireless.

AMEREX Integrated solar power supply units allows for installation of equipment where it was deemed too costly to run cables for the powering of a device.

AMEREX Integrated solar power supply unit is an integral part of the mesh network and can be monitored separately or part of the device it is powering.

Benefits

AT A GLANCE:

- Ease of installation
- Powers both AMEREX Integrated mesh node and local device
- Supplied with a 40Ahr battery
- Solar powered power supply unit can be monitored by the AMEREX Integrated mesh node
- Solar panel is rugged and designed to withstand high wind pressure.
- 30 watt solar panel
- Supplied in both weatherproof and Ex rated enclosures
- High transparent low-iron, tempered glass.
- Heavy-duty anodized frames.
- Aesthetic appearance.



AMEREX—34124

The 34124 solar power supply unit provides the user the opportunity to monitor remote devices at an economical cost rather than having to install cable over or under ground to the device.

AMEREX Integrated has heavy duty anodised frames so they can withstand harsh environments which this product is ideally suited for.

AMEREX Integrated prides itself on providing innovative ideas and providing the customer with low cost solutions to monitor their remote field devices.

The AMEREX Integrated solar panel power supply unit has a 30W 12V Polycrystalline solar module panel and a 10A 12v/24v auto switch charge controller

Description	Units
Maximum power (Pmax)	30W
Voltage at Pmax (Vmp)	17.4V
Current at Pmax (Imp)	1.74A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	1.93A
Temperature coefficient of Voc	-(80+/-10)mV/°C
Temperature coefficient of Isc	(0.065+/-0.015)%/ °C
Temperature coefficient of power	-(0.5+/-0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s)	47+/-2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	+/-3%

