



AUO Solar Monitoring System for AC Unison

— Powerful Protection for the Solar Power Investment

AUO Solar Monitoring System is a powerful tool that protects the investment in an AUO AC Unison solar power system. It consists of the **AUO Data Logger** and **AUO Solar Web Portal**. The AUO Data Logger is a gateway device that monitors real-time power performance of an AC Unison PV system and forwards that data to the AUO Solar Web Portal via the Internet. The historical data collected by the Solar Monitoring System can then allow easy troubleshooting.



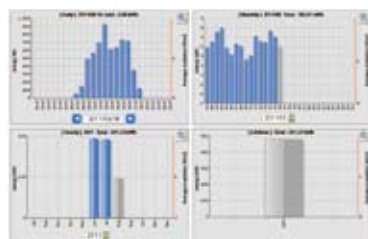
Benefits of the AUO Solar Monitoring System:

- Ensure maximum energy harvest
- Reduce maintenance costs over lifetime of the system

Features:



Daily power output tracking of all modules



Energy summary

• Real-Time Insight into Module-Level Performance

The AUO Solar Monitoring System can individually monitor the operating performance of each AUO AC Unison module. This detailed electrical data can be accessed by either plugging a computer into the Data Logger or by logging in to the Solar Web Portal. Installers can easily determine if any specific module requires maintenance or other service.

• Online Monitoring Access

Web-based AUO Solar Web Portal gives system owners and installers easy access to comprehensive power output information. Real-time graphical charts and historical statistics of an AC Unison PV system can be viewed at any time through a web-enabled device.



PLC concept diagram

● **On-Site Accessible Information**

The AUO Data Logger is designed with a built-in display interface and data access ports that enable system owners and installers to quickly access general site information and module diagnostics directly from the device.

● **Power Line Communications**

The AUO Data Logger communicates with AC Unison modules through the installation wiring, enabling the installer to test the system before interconnection with the grid.

AUO Data Logger SPECIFICATIONS

COMMUNICATIONS	
With AC Unison Module	Power Line Communications (PLC)
LAN	Ethernet with 10/100Base-T router; Auto-sensing; Auto-negotiating
POWER REQUIREMENTS	
AC Power Supply	Direct wire to service panel breaker or AC outlet
DC Power	Supply 2.5mm diameter, Polarity Center pin positive (+)
Power Consumption	~0.1 amp
MECHANICAL SPECIFICATIONS	
Dimensions	13.3"L x 7.9"W x 3.5"D
Weight	3.5 lbs
Ambient Temperature Range	-20°C to +50°C (-4°F to 122°F)
Cooling	Natural Convection; No Fans
Enclosure Environmental Rating	Type 3R
OTHER	
Compliance	UL60950-1 ITE; UL60950-22 Outdoor Use; FCC Part 15 Class B



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 Printed with Soy Ink

