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AI-500-030 Low Power Monitoring for Solar Systems

Overview



Applied Information's Low Power Monitoring (LPM) series utilizes the latest technology in energy consumption and low power cellular communications. Providing easy, real-time monitoring of remote solar systems, the LPM is designed to monitor the health of solar panels, batteries, and other connected devices. Offering 4G cellular communication, knock-down detection, and power consumption under 20mA, the LPM provides the ultimate solution for managing solar-powered traffic systems.

Once installed, the LPM offers cellular connectivity, data collection, and access to Applied Information's Glance® platform. The cloud-based Glance solution allows for 24/7 remote monitoring, where system operation and reliability can be observed in real-time or through automatically generated reports. Alerts are provided via email or text when problems are detected in the field, ensuring real-time notification of power failures, system errors, and knock-down events.

Features & Benefits

- Cost-effective remote monitoring solution
- Ultra-low power consumption
- Built-in knockdown detection sensor
- Easy to install and configure
- Utilizes the Glance cloud-based platform
- System reports automatically generated
- Future-proof with "over-the-air" software updates
- Built-in cellular modem
- Alarm alerts sent via text or email



Call us today to get started at 678.830.2170 or email us at sales@appinfoinc.com

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Hardware Specification

AI-500-030 LPM

Connectivity

Cell Modem EG915	Yes
OTA Software Update	Yes
Knockdown Sensor	Yes
GPS	Yes
RS232 Serial Port	Yes

Industrial I/O

Analog Inputs	Solar Panels, DC Voltage, AC line voltage, Lamp
Digital Inputs	LED Status
Digital Outputs	Solar Panels, Solar Batteries, Temperature
4-20mA Inputs	LED Status

Miscellaneous

Ultra Low Power Processor	Yes
Non-volatile Memory	Yes
Operating Temperature	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	1" x 2.5" x 4.5"
Input Voltage	10-30 VDC
Power Consumption (Avg.)	0.5W

Other Applications

RRFB Pedestrian Crossings
LED Blankout Signs
Warning Beacons
Regulatory Sign Posts
LED Edge Lit Signs





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