Rack Guardian®

SECURING CRITICAL POWER SYSTEMS

SECURE LOCAL COMMUNICATIONS

SECURE CONNECTION TO ALPHAGUARDIAN CLOUD

DIMENSIONS

Length	Width	Height
4.25 in	3.27 in	0.95 in
108 mm	83 mm	24 mm

ENVIRONMENTAL PROPERTIES

Additional Power	Port Power Over Ethernet	Supply Voltage	12DC
Operating Humidity	5-95% Noncondensing	Supply Amps (Max)	200mA
Operating Temp	32° – 158° F	Frequency	50-60HZ

SECURED DEVICE COMMUNICATIONS

Private Network	SNMPv1, SNMPv2, SNMPv3 MIB
Serial Network	Modbus RTU via RS-232 and RS-485
Environmental Sensors	Temperature, Leak Detection, Battery String Monitor

CERTIFICATIONS

FCC Marked/Tested Class B	CE Marked/Tested Class B

AlphaGuardian™
OPERATIONAL TECHNOLOGY SECURITY MADE SIMPLE

POWER IS THE LIFEBLOOD OF YOUR OPERATIONS. SECURE YOUR POWER SYSTEMS FROM ALL THREATS.

CYBERSECURITY DEFENSE

OPERATIONAL ANALYTICS

PHYSICAL SECURITY PROTECTION

CLOUD-BASED APP

THE PROBLEM

Every bit of data flowing through your networks passes through the racks at your local and remote sites. That makes the systems within your racks the prime target for cyberattacks. The most common back door used to attack the data systems in your racks are your Uninterruptible Power Supplies (UPS) and your Power Distribution Units (PDU). The problem is so severe that CISA issued a bulletin noting that all UPS and related systems should be secured from cyberattack.
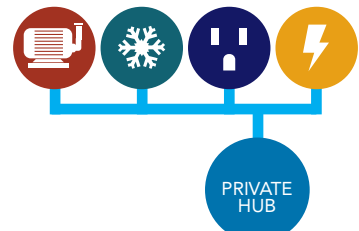
THE SOLUTION

RackGuardian is the first and only product that is specifically focused on protecthing SNMP and Modbus-based power systems. Because these protocols have significant security flaws, RackGuardian creates a secure shield around your UPS and PDU sytems and securely communicates the status of these devices to the Alpha Guardian secure cloud. From our secure cloud, you can remotely monitor and control your power systems, even securely rebooting them, ensuring that no malicious actor can gain access to your data through these systems

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PRIVATE HUB

SECURE ZENER DATA DIODE

ALPHAGUARDIAN SECURE CLOUD

SECURE REMOTE MANAGEMENT

Data Point Low Threshold Breach

AGN-Office-1 in San Ramon, CA

RackUPS-2

< 1 minute

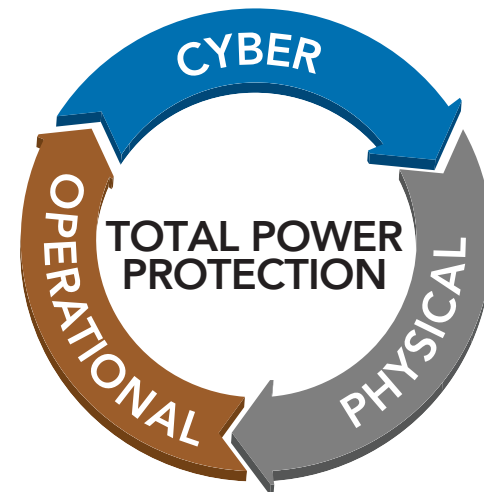# STOP CYBERATTACKS, TAMPERING & DOWNTIME
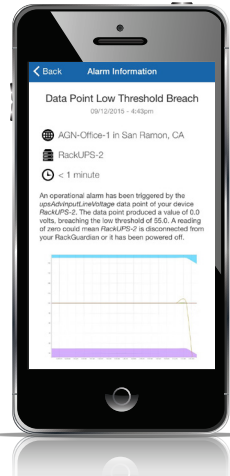
CYBERSECURITY

SNMP and Modbus-based power systems can create an easy back door in your networks. Recent government warnings showed that UPS systems are being used to stage attacks on critical infrastructure across the country and they recommend that critical power systems be protected. RackGuardian's Zener data diode architecture creates a stealth shield around all the OT devices it protects. No inbound connections are allowed to reach RackGuardian and thus, all devices connected to it are protected from cyber threats.

PHYSICAL SECURITY

Physical tampering with SNMP, Modbus and BACnet devices can involve plugging a laptop into a UPS, PDU or generator serial port, or using the command screen to change settings. Both can create massive problems. RackGuardian's patented Tamper Analytics™ immediately sense someone trying to physically change a setting in your system and send an alert to stop any attack right in its tracks.

OPERATIONAL SECURITY

Operational downtime caused by backwards looking and reactive management software is costly in so many ways. RackGuardian's operational analytics are predictive and forward-looking to stop trouble before it results in costly downtime.

CYBER

TOTAL POWER PROTECTION

OPERATIONAL

PHYSICAL

RackGuardian® MAKES YOUR RACK A POWER FORTRESS™

RackGuardian

HUB

Temp

RACK PDUs

PROTECTS & MANAGES ICS/SCADA SYSTEM POWER

ICS/SCADA SYSTEMS

PROTECTS & MANAGES PDU POWER

SWITCH

PROTECTS & MANAGES UPS POWER

RACK UPS

Door Sensor

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