

ePOWER CS-400-SG-200 SUBMETERING GATEWAY

Cyber Switching's CS-400-SG Series Gateway is a reliable and secure networked computer, router and commercial-grade database platform. Powered by Energy Management & Control (EMC) software, it enables effective energy management and satisfies requirements for measurement and verification.



Part of the CS-400 Smart Submeter Solution, the CS-400-SG Gateway captures, analyzes and stores energy data from all connected devices in real time to provide end users with accurate, easy-to-understand information for informed decision making. Feature-rich and user-friendly, the Gateway:

- Continuously monitors energy usage
- Uncovers energy inefficiencies, promotes awareness, tracks performance, manages and controls resource consumption and reduces environmental impacts
- Features an integrated network router and secure SNMP3 encrypted communication
- Embedded Intel ATOM processor for reliable performance
- Scalable to accommodate future needs
- Customizable user access via ACL for individual users or devices
- Provides alerts and log files from monitoring of individual device activity
- Provides user log files

SCALABILITY AND SECURITY

The CS-400-SG Gateway provides global data capture and analysis from all connected CS-400-MM Series submeter modules via the CS-400-SH hub. It will accommodate up to 200 points with an external network switch. Energy or facility managers can add devices as needed, enabling expansion of the energy management network as the enterprise evolves in the future.



Capable of mounting either inside an electrical room near electrical panels or in other areas, the ePower Gateway features highly secure data transmission. CyberSwitching uses encrypted SNMP technology to satisfy current and future security requirements.

ENERGY MANAGEMENT & CONTROL (EMC)

The ePower CS-400 Gateway is pre-loaded with Cyber Switching's EMC software. Featuring a user-friendly web-based interface, EMC provides real-time analysis of energy data for improved decision making. With the web-based EMC dashboard, busy facility professionals can log in from any location at any time to quickly obtain the energy data they need. Because these professionals often have limited time at their desks, this ease-of-use and accessibility is vital.

Users can proactively manage their energy usage programs to minimize utility demand charges on an ongoing basis and reduce average energy costs, as well as perform other operational goals, such as preventative maintenance.

GATEWAY FEATURE	TECHNICAL SPECIFICATION
Dimensions	58 mm H x 380 mm W x 80 mm D (2.25" H x 15" W 3.125" D)
Color	Ivory power coat
Mounting	Mounting brackets included
Embedded Processor	Intel Atom 64-bit Dual Core N2600 1.6 GHz
Memory	2GB RAM
Hard Drive	500GB
Ethernet Router	8-port integral 10/100 Mbps WAN, DHCP/static IP Firewall/NAT, Port Forwarding; DMZ, UPnP
Ports	4 USB 2.0
User Interface	Web browser (IE8.0 or higher)
Software	Energy Management & Control (EMC)
Rating	120/240 VAC
Warranty	One year
Encryption	SNMP v3, SSL
Certification	NWGQ E206903-A28 UL 60950-1 2 ND Ed, CAN/CSA C22.2 No. 60950-1-07, 2 ND Edition, 2014-10

EMC FEATURE	TECHNICAL SPECIFICATION
Administrative Management:	Device Users Remote voltage Property
	Usage, Trending, Demand, Cost & Load for: Real-time Weekly Custom Reports Daily Monthly
Security:	Secure SSL (HTTPS) Web-based interface User & User Group Access Control List (ACL) Device & Device Group Access Control List (ACL)
Data Collection:	Real-time energy data in user-selectable 1-, 5- or 15- minute intervals
Rate information:	Advanced configurable rate table with multiple rate table configurations
Logging:	User activity logs, event logs, alert logs
Alerts:	Real-time alarm monitoring & notification system
Virtual Devices:	Virtual device capability, allowing users to categorize outlets based on common or intended use, rather than physical location.
Storage:	Stores real-time energy data in local data storage
Support:	One year technical support and software upgrades

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT DESCRIPTION
CS-400-SG-200	ePower Gateway with EMC 200 points with 1 year support and software upgrades
CS-400-SG-200R	Renewable 1 year package EMC support and software upgrade
CS-400-SG-200TB	ePower Gateway with EMC Tenant billing package, 200 points, 1 year support/software upgrades
CS-400-SG-200TBR	Renewable 1 year package EMC Tenant billing package support and software upgrade