

DATA CENTER | Smart Metering Solution Value

Industry Challenges



Driven by the rapid expansion of AI computing, cloud services, and edge infrastructure, modern data centers are facing unprecedented challenges in power density, energy efficiency, and operational reliability. To ensure business continuity, optimize Power Usage **Effectiveness (PUE)**, and achieve sustainability goals, operators require granular, real-time visibility into energy consumption across critical electrical infrastructure.

Our Comprehensive Solution



Eastron provides comprehensive smart metering solutions specifically engineered for data center applications. Our high-accuracy meters enable precise monitoring throughout the entire power distribution chain, including utility incomers, switchboards, UPS systems, PDUs, busway systems, cooling equipment, server racks, and branch circuits. Through seamless connectivity via **Modbus RTU (RS485)**, **Modbus TCP (Ethernet)**, and **IoT** communication technologies, operators gain actionable insights into energy consumption, power quality, load distribution, and system performance, enabling efficient capacity planning and proactive maintenance.

Key Benefits & Integration



Designed for mission-critical environments, Eastron meters deliver reliable energy measurement, continuous monitoring, and advanced power quality analysis. Seamlessly integrating with **DCIM**, **BMS**, and **EMS** platforms, our solutions help data center operators improve energy efficiency, enhance system reliability, reduce operating costs, and support sustainable data center growth through trusted, industry-proven metering technology.



PANEL METER SERIES

When Electricity Matters

DATA CENTER



Eastron Electronic Co., Ltd.

Tel: +86-400-996-9296

E-mail: sales@eastrongroup.com

Web: www.eastrongroup.com

Address: NO 52, Dongjin Road, Nanhu, Jiaxing, Zhejiang, China

Follow us



Youtube



Linkedin

