MICROPOWER DIRECT

Category
Controls & Instrumentation

Application Area
Advanced Metering Solutions

Product
MPM-15CM

Project Overview
A manufacturer of utility metering systems achieved reliable, long-term submetering performance with MPD's compact, efficient MPM-15CM AC/DC power supply.

DATASHEET

MicroPower Direct supplies high-performance AC/DC power supplies and DC/DC power converters for demanding industrial and medical applications. With a focus on reliability, size efficiency, and responsive support, our solutions help engineers design with confidence.

A manufacturer of advanced utility metering systems required a compact, reliable AC/DC power supply for use in next-generation submetering and control panels. Their equipment must provide uninterrupted operation despite frequent voltage fluctuations and tight installation spaces.

Key Design Goals:

- Space-saving design for crowded metering cabinets
- Universal 85–265 VAC input for flexible, global deployment
- High efficiency and low standby draw for 24/7 reliability
- Strong isolation and built-in protection to safeguard electronics

To address these needs, the engineering team selected the MPM-15CM series from MicroPower Direct. With 15W output in a compact chassis-mount form, universal AC input, and 3,000 VAC isolation, it offers both versatility and robust protection. Up to 79% efficiency and comprehensive safety features (short-circuit, overload, surge protection) help maintain uptime in critical metering and control modules

Integrating the MPM-15CM allowed the customer to achieve reliable, noise-free power for accurate measurement and communications—supporting long-term, maintenance-free performance across large, distributed installations.

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