

Digitalized Rectifier Module

This digitalized rectifier module offers exceptional reliability and world-leading power density. The power system provides a -48V DC power solution suitable for global telecom applications with a wide operating temperature and input voltage range.



Overview

Smart Power 240/11600 Rectifier Module

The 240/11600 is a high-performance digitalized rectifier module engineered for global telecom applications. It delivers a -48V DC power solution characterized by world-leading power density and high energy efficiency. Featuring advanced digitalized primary and secondary controls, it ensures superior monitoring, regulation, and system reliability across a wide range of operating temperatures and input voltages.

Performance Metrics

Efficiency

93 % Typical Efficiency	94 % Max Efficiency	24.54 W/in³ Power Density
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Technical Specifications

Output Voltage	-48V DC
Cooling	Front-to-back airflow with dual fans

Compliance and Safety

Protection

- Automatic mains disconnection on hazardous input
- Excellent EMC performance
- Digitalized input monitoring

Approvals	CE, UL Recognized, TUV Certified
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Applications

Typical Applications

Wireless Communication • Broadband Access • Satellite Ground Stations • 3G/4G Base Stations • Telecom Roadside Cabinets • Hybrid Power Systems