

# Digital Telecom Rectifier Module

This digitalized rectifier module offers exceptional reliability for demanding applications. It is designed as a -48V DC power system suitable for global telecom needs, featuring a wide operating temperature and input voltage range.



## Product Overview

### High-Reliability Digital Rectifier

The DZY-240/40HI is a high-reliability digitalized rectifier module designed for -48V DC power systems. It features advanced digital primary and secondary controls for precise monitoring and regulation, ensuring stable performance across a wide range of input voltages and temperatures. Built for demanding telecom environments, it incorporates efficient thermal management and robust EMC performance to support critical infrastructure applications.

## Performance Metrics

### Efficiency

**95 %**

Typical Efficiency

## Technical Features

Control System	Digitalized primary and secondary control
Cooling System	Single fan with front-to-back air flow
Safety Protections	Input voltage monitoring, Mains disconnect on failure, Excellent EMC performance

## Applications

### Primary Applications

- Wireless communication
- Broadband and network access
- Satellite communication ground stations
- 3G/4G base stations
- Telecom roadside cabinets

### Compatible Power Systems

- Switch Mode Power Systems
- Remote Monitoring Systems
- Renewable Energy Solutions
- Distribution Cabinets
- DC/DC Converters
- Hybrid Power Systems
- Inverters
- UPS/EPS
- HVDC UPS