

## Cordex HP™ 300W

48Vdc Modular Rectifier Shelf System



- › Industry leading 95% efficiency for decreased OPEX and reduced carbon footprint
- › Compact size yielding more space for revenue generating equipment
- › Fail safe performance via N+1 redundancy and hot swap capabilities for uninterrupted operation
- › Wide range of AC input for worldwide installation requirements
- › Dual front and back DC outputs for maximum flexibility
- › Wide temperature operating range for installation in harsh outdoor and indoor environments
- › Multiple distribution points

**Cordex High-Performance rectifiers make a proven, reliable platform even better, with significant advancements in efficiency and performance.** In a compact 1RU high, fan-cooled design, the Cordex HP 300W rectifier opens the possibility to a wider range of applications and immediate OPEX/CAPEX savings, reducing total cost of ownership and impact on the environment.

The Cordex HP 300W Modular Rectifier Shelf System is the perfect solution for small 48Vdc industrial and telecom applications such as micro cells, broadband extension, LTE Networks, radio links and remote control and monitoring sites. The Cordex HP 300W rectifier was designed and tested to operate in non-controlled environments and offers full power from -40 to 70°C. The rectifier is protected against input under-voltage and supports up to 300Vac without damage. It also includes an extensive list of features such as: output overvoltage and overload protections, smart output power limitation, thermal shutdown, hot swap and redundancy.

The intelligent controller includes USB, Ethernet and CAN ports, along with five LED indicators. The built-in distribution module contains four output fuses plus a battery breaker.

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# Cordex HP™ 300W 48Vdc Modular Rectifier Shelf System

P/N: 0300072

## Electrical

Input voltage:  
 Standard:.....90 to 265Vac  
 Maximum:.....300Vac (w/o damages)  
 Input frequency:.....47 to 63Hz

Input current (per rectifier):..... 1.40A @ 230Vac  
 3A @ 110Vac

Efficiency:.....>95%

Output voltage:.....43 to 58Vdc

Output power (per rectifier):.....300W

Output current (per rectifier):.....5.56A @ 54Vdc (6.25A max. @ 48Vdc)  
 Maximum.....32A

Load regulation: .....< ±0.5% (static)

Line regulation: .....< ±0.2% (static)

## Mechanical

Dimensions:  
 mm:.....43H x 440W x 250D  
 inches: .....1.7H x 17.3W x 9.5D

Weight (w/o rectifiers): .....2kg (4.4lbs)

## Environmental

Temperature:  
 Standard (no derating): .....-40 to 70°C (-40 to 158°F)  
 Storage: .....-40 to 85°C (-40 to 185°F)

Humidity:  
 Operation:.....20 to 80% RH non-condensing  
 Storage: .....10 to 95% RH non-condensing

Elevation: .....Up to 3000m (9842ft)

Cooling:.....Fan cooled (front to rear top)

## Agency Compliance

Safety: .....EN60950  
 CSA C22.2 No 60950-1-30  
 CE Marked

Environment:.....ETSI EN 300386

EMC: .....CFR47 (FCC) Part 15 Class B  
 ETSI EN 300386

NEBS/Telcordia: .....GR-1089-CORE  
 GR-3108-CORE

## Related Components

Rectifier 0100010: .....CXRF 48-300W rectifier

Supervisory:  
 7400325: .....Comp@s communication card

Accessories:  
 0100010-001: .....Blank plate for empty rectifier slot