

Cordex HP™ 300W

Modular Switched Mode Rectifier



Your Power Solutions Partner

- High performance 300W rectifier provides unique combination of size, efficiency and performance
- Industry leading 95% efficiency for reduced OpEx and carbon footprint
- Compact size yields more space for revenue generating equipment
- Wide range AC input for worldwide installation requirements
- Dual front and back DC outputs allow maximum flexibility
- Wide temperature operating range (-40 to 70°C without power derating) for installation in harsh outdoor and indoor environments



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

The Cordex HP 300W is a 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 nominal power up to 70°C. It is protected against input under-voltage and delivers full nominal power over the full input range (90-300Vac). 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.



Cordex HP™ 300W 48V Modular Switched Mode Rectifier

Part Number: 0100010

ELECTRICAL

Input voltage:

Standard:90 to 265Vac
Maximum:300Vac

Input frequency:47 to 63Hz

Power factor:99%

Input current:1.40A @ 230Vac
3A @ 110Vac

Efficiency:95%

Output voltage:43 to 58Vdc

Output power:300W

Output current:5.6A @ -54Vdc

Load regulation:±0.5%

Line regulation:±0.2%

Wide band noise:<10mVrms

Psophometric noise:<2mVrms

Acoustic noise:<49dBA

PERFORMANCE / FEATURES

Indicators:LED off - no power available
Green LED - no failure
Orange LED - stand by (remote off)
Red LED - Low DC voltage (<37Vdc)
Blinking red LED - AC failure, thermal failure or short circuit

Protections:Mains out of range (input fuse)
Output overvoltage
Output overload
Short circuit current
Smart power derating
Thermal shutdown
Hot swap

MECHANICAL

Dimensions:

mm:41.5H (1U) x 86W x 166D

inches:1.6H x 3.4W x 6.5D

Weight:0.57kg (1.2lbs)

ENVIRONMENTAL

Temperature:

Operating:-40 to 70°C (-40 to 158°F)

Storage:-40 to 85°C (-40 to 185°F)

Humidity:

Operating:20 to 80% RH non-condensing

Storage:10 to 95% RH non-condensing

Elevation:Up to 3000m (9842ft)

Cooling:Fan cooled (front to rear)

RELATED COMPONENTS

Shelf:

0300072:Power shelf with 3 rectifier slots,
DC distribution and control unit

Supervisory:

7400325:Comp@s communication card

Accessories:

0100010-001:Blank plate for rectifier slot

STANDARDS

Safety:EN60950
CE marked

Environment:IEC 60068-2-27
ETSI EN 300 019-1-3 class 3.4

EMC:ETSI EN 300386

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