

# Power

## Cordex™ 650W

### Modular Rectifier Shelf Systems

#### Cordex 48-650W Rectifier Shelves

	Rectifiers	Controller	Distribution	Part Number
19" Flush Mount 2RU Rear Access	4 x CXRC 48-650W	1 x CXCI	CXD with AM plug-in type breakers	030-728-20
19" Flush Mount 2RU Rear Access	5 x CXRC 48-650W	1 x CXCI	Bulk power for external distribution panel	030-782-20
23" Center Mount 2RU Front Access	4 x CXRC 48-650W	1 x CXCI	CXD with AM plug-in type breakers & GMT fuses	030-722-20



Cordex 2.6kW Shelf Power System

- Integrated 48VDC shelf power systems up to 2.6kW
- Bulk 48VDC power systems up to 3.2kW
- Front access and rear access system solutions
- Distribution modules available with shunt and LVD options
- Available for 19" and 23" rack mounting
- Designed for CSA, UL, CE, FCC & C-Tick standards

Argus' Cordex series includes a complete range of modular 650W rectifier shelf systems to meet the needs of worldwide telecommunications applications.

Cordex 650W modular shelf systems are available to fit various 48VDC application needs. 19" rear access solutions are available in a five-module (3.2kW) bulk output version as well as a four-module (2.6kW) integrated solution with an AM plug-in breaker distribution module. A 23" complete front access version is also available which includes four rectifier positions and a distribution module accommodating both plug-in breakers and GMT fuses. CXCI integrated controllers are standard with all 650W shelf systems.

Argus Cordex 650W rectifier modules feature complete hot-swappability, high efficiency with power factor correction, unique power limiting capability, and wide range input. Convection cooling and an ultra compact design also make Cordex CXS shelf systems ideal for the telecommunications industry.

## Cordex 650W CXS Modular Rectifier Shelf Systems

<b>19/23" Shelf Systems</b>	 <p>P/N 030-728-20 Cordex 2.6kW shelf power system with CXCI controller &amp; AM plug-in breaker distribution</p>	 <p>P/N 030-782-20 Cordex 3.2kW bulk power system with CXCI controller Optional LVD shunt with battery breaker</p>
<b>23" Shelf Systems</b>	 <p>P/N 030-722-20 (Center Mount) Cordex 2.6kW front access shelf power system with CXCI integrated controller &amp; with AM plug-in breakers and GMT fuses</p>	

### Electrical

#### Input Voltage (120VAC model)

Operating: 90 to 140VAC (output power 650W)  
 Extended: 90 to 70VAC (derated output power)  
 Power output: 650W at nominal with 120VAC rectifier

#### Universal input voltage (100 to 240VAC model)

Operating: 176 to 320VAC (output power 650W)  
 Extended: 176 to 90VAC (derated output power)  
 Operating: 100 to 140VAC (output power 500W)  
 Power output: 650W at nominal 208 to 240VAC & 500W at nominal 120VAC with 240VAC rectifier

#### Input current:

2.1A max. @ nominal 120VAC  
 4.9A max. @ nominal 208/240VAC

#### Output current per rectifier

120VAC model: 13.5A @ 48VDC (120VAC)  
 12A @ 54VDC (120VAC)

100 to 240VAC model: 13.5A @ 48VDC (240VAC)  
 12A @ 54VDC (240VAC)  
 10.4A @ 48VDC (120VAC)  
 9.2A @ 54VDC (120VAC)

### Shelves

#### Mechanical

##### 19" & 19/23"

#### Dimensions

mm: 89H x 435W x 302D  
 inches: 3.5H x 17.1W x 11.9D

#### Weight:

6.9kg (15.5lb)

#### Mounting:

19/23" flush/centre mount

##### 23"

#### Dimensions

mm: 89H x 540W x 307D  
 inches: 3.5H x 21.3W x 12.1D

#### Weight:

7.2kg (15.9lb)

#### Mounting:

23" centre mount

#### Note:

Shelf P/Ns DO NOT include modules or distribution breakers.

Weights DO NOT include modules.

Dimensions do not include mounting bracket.

#### Communication Ports

CAN: Interface to control rectifiers. Smart peripherals

Ethernet: 10/100 Base-T for TCIP/SNMP features.

### Environmental

#### Temperature

Standard: -40 to 50°C (-40 to 122°F)

Storage: -40 to 85°C (-40 to 185°F)

Humidity: 0 to 95% RH non-condensing

Elevation: -500 to 3000m (-1640 to 9840ft)

Cooling: Natural or forced convection, vertical airflow

Heat Dissipation: 877 BTU hour/system max.

### Related Components

#### Rectifiers

Cordex 48-650W (see datasheet 048-640-10)

#### Supervisory

CXCI Controller (see datasheet 048-660-10)

### Standards

CSA: CSA C22.2 No 60950-1-03

UL: Std. No 60950-01

CE: EN60950