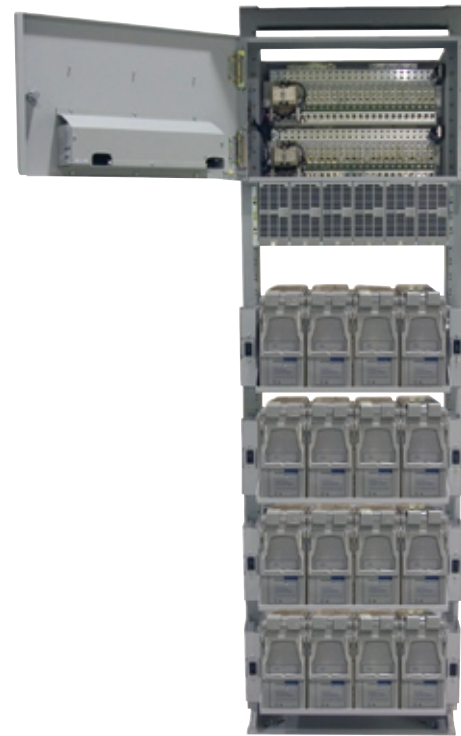


Power

Cordex™ System

48V 2000A Power Systems



Typical 48-24kW System

- Up to 2000A systems
- Cordex modular rectifiers
- User-configurable, modular distribution tiers
- Intelligent system control and communication

The ultimate “all-in-one” powering solution for telecom networks. Argus Cordex systems are front accessible with modular rectifiers and distribution. The Cordex system features tiered modular Vista distribution that provides outstanding system flexibility and enables your DC power system to grow and adapt incrementally to your current and future network application requirements.

The complete Cordex platform combines an industry leading system controller with field proven power components to supply up to 48VDC/2000A in a standard 7' plant. Distribution can be configured up to 96 breaker positions and fitted with a number of breaker types, fuses, and load disconnects.

Cordex 48V Medium Power Systems

Electrical

AC Input:	Single Phase, 208 to 277VAC Dual 3 Phase, 208 to 240VAC (w/o neutral) Dual 3 Phase, 360 to 480VAC (with neutral)
Rectifier voltage:	176 to 277VAC 45 to 70Hz
Output voltage:	42 to 58VDC (Cordex rectifiers)
Output current:	66A @ 54VDC per 3.6kW rectifier
Power:	21.6kW per rectifier shelf
Capacity:	2000A system bus 600A max. per distribution tier

Mechanical

Dimensions	
cm:	213H x 62W x 56D
inches:	84H x 28.1W x 19D
Weight:	Approx. 410kg (902lb) with 4 tier distribution center and 5 fully loaded Cordex shelves

Environmental

Temperature:	0 to 50°C (32 to 177°F)
Humidity:	0 to 95% RH non-condensing
Elevation:	-500 to 2800m (-1640 to 9186ft)

Related Components

Rectifiers

Choose up to six Cordex 48V rectifiers per shelf. See datasheet for more detailed information, 3.6kW (#048-641-10)

Choose up to six field-expandable shelves per system.

Low Voltage

Disconnect: LVD optional
48VDC/600A (one per distribution tier)

Distribution

Choose distribution centre for 1 tier, 2 tier or 4 tier

Terminations (breaker options for tiers 1 through 4)

AM-type/TPS*bullet style: 2 x ¼-20 studs on
¾" centers per pole

GJ breaker: 2 x ¾-16 studs on
1" centers per pole;
i.e., 2-pole breaker will have two sets

Cordex Controller

The system's monitoring and control center

See CXC datasheet #048-631-10 for detailed information on alarms and controls.

Battery Options

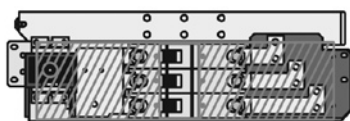
2V Battery cell monitor (1 string)

12V Battery cell monitor (4 strings)

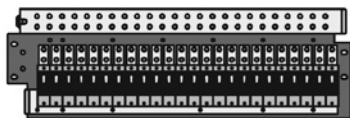
Battery tray with breaker (12V blocks)



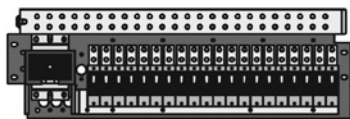
3 positions GJ breaker tier rated at 600 amps



3 positions GJ breaker tier with LVD rated at 600 amps.



24 position bullet breaker tier rated at 600 amps.



20 position bullet breaker tier with LVD rated at 600 amps.

Tier 1 can be equipped with

- 24-position AM-type bullet style breakers *
- 20-position bullet style breakers * with LVD

Tiers 2 to 4 can be equipped with:

- 24-position AM-type bullet style breakers*
- 20-position bullet style breakers* with LVD
- 3-position GJ (with or without LVD)

* bullets style TPS fuse holder & GMT fuse blocks available

For more information visit www.argusdcpower.com

Argus Technologies

Canada
United States

Burnaby, British Columbia Tel: 604 436 5900 Fax: 604 436 1233
Bellingham, Washington Tel: 360 647 2360 Fax: 360 671 4936

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