

Power

Cordex™ System

24V 2000A Power Systems



Typical 24-55.8kW System

- Up to 2000A systems
- Cordex modular rectifiers
- User-configurable, modular distribution tiers
- Intelligent system control and communication
- Optional 24 to 48VDC converters

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 24VDC/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. The Cordex power system can include optional 24 to 48VDC (5kW maximum) converters and split breaker panel to provide a GSM overlay solution.

Cordex 24V 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:	208 to 277VAC 45 to 70Hz
Output voltage:	21 to 29VDC (Cordex rectifiers) 44 to 52VDC (CSM11 converters)
Output current:	130A max. per rectifier 26A per converter
Power:	3100W max. per rectifier module 1250kW max. per converter module
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. 325kg (715lb) includes 4 tier distribution center, with CSM11 converters, and three 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 24-3.1kW rectifiers* per shelf.
(see datasheet #048-641-10)
Choose up to three field-expandable shelves per system.
** charcoal color rectifier faceplates available*

Converters

Choose up to four CSM11 DC-DC converters (1250W each)
(see datasheet #048-582-10)
One shelf max. is optional (factory installed)

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

5/8" 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

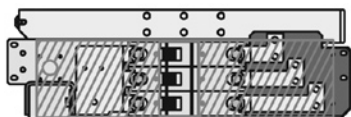
See CXC datasheet #048-631-10 for detailed information on alarms and controls.

Battery Options

2V Battery cell monitor (1 string)

12V Battery cell monitor (4 strings)

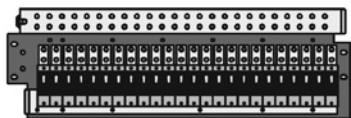
Battery tray with breakers (12V blocks)



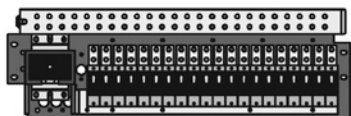
3 positions GJ breaker tier rated at 600 amps



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 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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