

Power

Cordex™ System

24V 1200A Power Systems



24-37.2kW System

- Up to 1200A system
- Cordex 3.1kW modular 24V rectifiers
- User-configurable, modular distribution tiers
- Intelligent system control and communication

The ultimate “all-in-one” powering solution for telecom networks. 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/1200A in a standard 7' plant. Distribution can be configured with up to 40 breaker positions and accommodate a number of breaker types, fuses, and load disconnects.

Cordex 24V 1200A 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)
Output current:	130A max. per rectifier
Power:	3100W max. per rectifier module
Capacity:	2000A system bus 600A max. per distribution tier Max rectifier capacity 1560A

Mechanical

Dimensions	
cm:	213H x 62W x 56D
inches:	84H x 28.1W x 19D
Weight:	Max. 954kg (2100lb) includes 2 tier distribution center, 12 rectifiers and 3 strings of batteries

Environmental

Temperature:	-40 to 65°C (32 to 177°F) (not including batteries)
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)
Up to two field-expandable shelves per system.

Low Voltage Disconnect:

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

Distribution

Distribution centre for 2 tiers

Terminations (breaker options for 1 or 2 tiers)

AM-type/TPS bullet style: 2 x ¼-20 studs on ½" 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

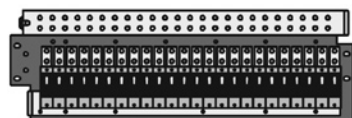
The system's monitoring and control center
See CXC datasheet #048-631-10 for detailed information on alarms and controls.

Battery

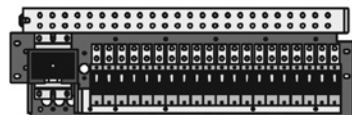
3 strings 150AH
250A battery disconnect per string

Battery Options

2V Battery cell monitor (1 string)
12V Battery cell monitor (4 strings)
Battery tray with breakers (12V blocks)



24 position bullet breaker tier rated at 600 amps.



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

Tiers can be equipped with

- 24-position bullet style breakers
- 20-position bullet style breakers with 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

#048-679-10 (08/2006)

Argus Technologies reserves the right to make changes to the products and information contained in this document without notice.
Copyright © 2006 Argus Technologies. All Rights Reserved. Argus® is a registered trademark of Argus Technologies. member of The Alpha Group™ is a trademark of Alpha Technologies.
Cordex™ is a trademark of Argus Technologies.