



Vista Versatile Power System

Argus introduces the Vista Series, the ultimate “all-in-one” powering solution for wireless communications.

Designed for flexibility Tiered distribution allows the user to configure a DC power system to grow incrementally with the communications equipment. The Vista Series’ modular design lets you easily change power components in and out, upload new software, and program new parameters through the system’s user-friendly LCD interface.

System capacity is key The complete platform combines an industry-leading system controller, and field-proven power components to supply 24VDC/2000A in a standard 7’ plant. Distribution can be configured to a maximum 96 positions or equipped to combine a number of breaker types, fuses and load disconnects (refer to our examples on the next page).

The perfect GSM overlay solution Transition your existing 24V network to support Global System for Mobile Communications applications by fitting Vista with the optional CSM11 DC to DC converter. 48V DC power is distributed through eight 48V positions in the split 24V/48V breaker panel.

Safe, easy installation and setup Vista saves you time and money because it’s delivered fully assembled and factory tested. In addition, its front access design provides safe, easy installation. For expansion and maintenance, all you need to do is to hook up load connections, program a few software adjustments and you’re on your way.

Product Release **Vista Series**



User-configurable, modular distribution

Available in 24VDC 2000A output

Optional DC to DC converters

System control and communications

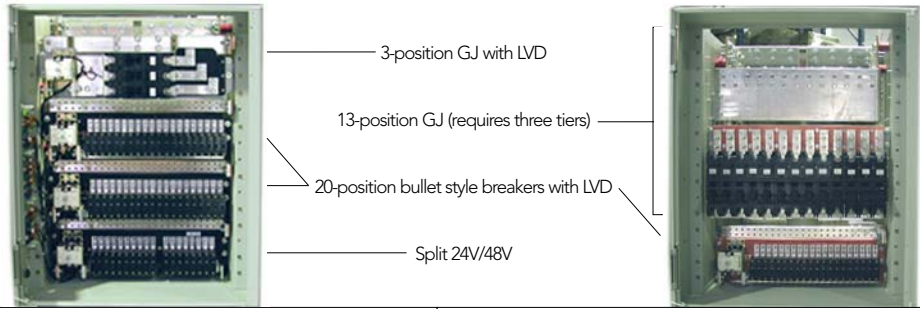
Completely front accessible

Communications for local and remote control/ monitoring

The Vista Series offers complete monitoring and control functions through its intelligent system controller. Local terminal access is provided through an RS-232 port, while modem communications are also supported for remote access.

Support when you need it most The Vista Series is backed by the industry’s leading warranty and customer care program. All Argus’ products are covered by a comprehensive factory parts and service warranty. And technical support experts are available 24 hours-a-day, 7 days-a-week to aid in the resolution of technical problems. Add Argus’ unparalleled reputation for building reliable, long-lasting power systems, and you have a product that is second to none.

Sample Distribution Configurations



Vista Series

Specifications

Electrical

Input voltage:	176 to 264 VAC, 47 to 63Hz
Output voltage:	21 to 30 VDC (Pathfinder 3kW rectifiers) 44 to 52 VDC (CSM11 converters)
Output Current:	125A max. per rectifier 26A max. per converter
Power:	3000W max. per rectifier module 1250W max. per converter module
Capacity:	2000A system bus 600A max. per distribution module

Terminations

Load (breaker options for tiers 1 through 4)

AM-type/TPS*	
bullet style:	2 x 1/4-20 studs on 5/8" centers per pole
GJ breaker:	2 x 3/8-16 studs on 1" centers per pole; i.e. 2-pole breaker will have two sets

Returns

AM-type/TPS*:	2 x 1/4-20 inserts on 5/8" centers per pole
GJ breaker:	2 x 3/8-16 inserts on 1" centers per pole

Battery Hot

Five sets:	2 x 3/8-16 inserts on 1" centers; spaced 2-1/4"
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Battery Return

Five sets:	2 x 3/8-16 inserts on 1" centers; spaced 2-1/4"
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Alarms

SM02 connections:	0.34 to 2.5mm ² (#14 to #22 AWG)
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Mechanical

Approvals:	Designed for Seismic Zone 4
Mounting:	EIA 1-3/4", 23" relay rack (center mounting)
Dimensions: cm (inches)	213 H x 62 W x 56 D (84" H x 24.5" W x 22" D)
Weight:	Approx. 397 kg (875 lb.) includes complete 2000A Distribution Center, with CSM11 converters, and four fully loaded Pathfinder cabinets

Environmental

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

System level alarms/controls

Alarms/control parameters are user-programmable through built-in digital system controller. See SM02 datasheet #048-525-10 for detailed information on alarms and controls available.

Rectifiers

Choose up to four Pathfinder 24V-3kW rectifiers per shelf (see datasheet # 048-591-10). Choose up to four field-expandable shelves per system.

Converters (optional)

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

Low Voltage Disconnect (LVD) Option

24VDC/600A (one per tier)

Distribution Options

The system is setup into four (4) tiers; each rated at 600A capacity. Each tier can be equipped as follows (tier 1 starting at the bottom):

Tier 1 can be equipped with:

- 24-position AM-type bullet style breakers*
- 20-position bullet style breakers* with LVD
- Split 24V/48V

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)
- 13-position GJ (requires three tiers)**

* bullet style TPS fuse holder available
** 2000A LVD available

Ordering Information

Please consult the factory for customized configurations and detailed ordering information.

Each power system is assigned an individual part number. The list below represents a majority of the system components.

Part #	Model Description
020-635-20	2000A Front Access UDC
018-534-20	SM02 System Controller
010-539-20	Pathfinder 24V-3kW Rectifier
030-577-20	Pathfinder 23" Cabinet, (fits 4 modules)
012-511-20	CSM11 Converter Module
030-651-20	CSM11 23" Cabinet, (fits 4 modules)

Due to continuing product improvements, Argus reserves the right to change specifications without notice.

Argus Technologies Ltd.
5700 Sidley Street
Burnaby, B.C. V5J 5E5
Canada
Tel: (604) 436-5900
Fax: (604) 436-1233
Email: sales@argusdcpower.com

Argus Technologies Inc.
3886 Hammer Drive
Bellingham, WA
98226-7629 U.S.A.
Tel: (360) 671-7054
Fax: (360) 671-7096
Web site: www.argusdcpower.com