



200 Amp DC System

Next Generation Remote Solar Power

Scalable and custom configurable Hybrid AC/DC system

Hybrid AC/DC Power Systems

Power your off-grid remote mission critical applications





ALPHA GROUP MEMBERS ARGUS TECHNOLOGIES AND ALPHA ENERGY COMBINED THEIR EXPERTISE TO DEVELOP AN AC/DC POWER PLANT WITH FULLY INTEGRATED INPUTS FOR ALTERNATIVE ENERGY SOURCES LIKE SOLAR, WIND AND GENERATORS TO SERVE OFF-GRID TELECOMMUNICATIONS-GRADE POWER APPLICATIONS.

- Multiple AC or DC input and output options
- N+1 redundant design
- Remote communications for monitoring, adjusting settings and updating firmware

The Hybrid Power Plant is ideal for telecommunications providers, security, military and pipeline companies who require the benefits and security of solar electricity in mission critical powering applications. These versatile Power Plants are highly configurable with diverse AC or DC input and output options. This means it is easy to custom-configure systems to include inverters, DC converters, breakers, alarms, batteries and solar controllers.

Incorporating the innovative Cordex line of DC powering solutions, the system's rectifiers, controllers and other components can be accessed by way of a robust computer interface, that can be used locally or remotely. Cordex rectifiers can be hot-swapped, and additional rectifiers and inverters can be added if load requirements increase. Built-in data logging tracks 500 system events and 40 battery events. This makes the Hybrid Power System an ideal solution for remote applications.

Base 200 Amp DC System includes:

CXCR Cordex Controller	
	<ul style="list-style-type: none"> LCD touch-screen user interface Internet ready, integrated SNMP High reliability CAN bus communication User definable alarms Flexible battery management features Smart peripheral monitoring features 19" and 23" Universal rack or panel mount configurations
Cordex™ 1.8kW Rectifiers	
	<ul style="list-style-type: none"> Available in 37.5A @ 48Vdc High power density Universal, wide range AC input High efficiency and power factor correction Hot swappable, 4RU ultra compact design
Cordex Controller Web Interface	
	<p>The Cordex Controller includes a standard ethernet protocol, which allows communications while providing a remote access platform for protocols such as SNMP</p>
T80 TurboCharger™ 80Amp MPPT Charge Controller	
	<ul style="list-style-type: none"> Charges 12, 24 or 48 Volt batteries 150V max PV input voltage Internal 4 line 20 character LCD with backlight Includes TriMetric™ Battery Energy Meter functions Comes with smart shunt board, battery temperature sensor and associated cables

Systems are scalable

Custom 400 Amp AC/DC System	
	
System options include:	
<ul style="list-style-type: none"> Load breaker panels INEX AC inverters - 120Vac DC to DC converters - 12Vdc, 24Vdc, 48Vdc AC Generators A wide range of batteries customized for the application ADIO card allows multiple remote inputs creating a single alarm platform 	