



200 Amp DC System

Next Generation Off-Grid Energy

Solar and Hybrid Power System Monitoring and Control

Hybrid AC/DC Power Systems

Solar and Hybrid AC/DC Supervisory Control and Monitoring System

THE HYBRID AC/DC 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 INCLUDING INVERTERS, DC RECTIFIERS CONVERTERS, BREAKERS, ALARMS, BATTERIES AND SOLAR CONTROLLERS.

› Communications

- SNMP via Ethernet
- Email via SMTP
- LCD Touch Screen
- Web-based GUI

› Alarms

- Alarm and Control Relays
- Monitors systems components: rectifiers, inverters, batteries, load
- System failure
- User definable

› Data Logging

- Event Log
- Battery Log
- Daily Statistics


› System I/O

- Alarm Relays
- Voltage Inputs
- Temperature Inputs
- Current Inputs
- BiV Inputs
- Digital Inputs

Base 200 Amp DC System includes:

CXCR Cordex Controller	
	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	
	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	
	The Cordex Controller includes a standard ethernet protocol, which allows communications while providing a remote access platform for protocols such as SNMP
OutBack FLEXmax 80 Charge Controller	
	Increases PV Array output by up to 30% Advanced Continuous Maximum Power Point Tracking Full Power Output in ambient temperatures up to 40°C / 104°F Battery voltages from 12 to 60Vdc Fully OutBack Network integrated and programmable Programmable auxiliary control output Built-in 128 days of Data logging

Systems are scalable

Custom 400 Amp AC/DC System	
	
Above System options include:	
Load breaker panels INEX AC inverters - 120Vac DC to DC converters - 12Vdc, 24Vdc, 48Vdc AC Generators OutBack FLEXmax 80 charge controllers A wide range of batteries customized for the application ADIO card allows multiple remote inputs creating a single alarm platform	