

Power

Alpha Astra Series

Industrial Grade Custom Designed UPS Systems
Rectifier and Single or Three Phase Inverter



- The Alpha Industrial UPS Systems are designed with state of the art IGBT technology and ergonomics. Providing a complete AC and DC power backup system
- True online double conversion UPS provides high power quality and reliability.
- The monitoring panel provides all the necessary information on an easy to understand front mimic panel
- Thermal Power Plants, Petrochemical Plants & Steel-Works
- Naval Civil Applications, Naval Military Applications, Off-Shore Platforms, Energy Control, Civil Installations, Railway Applications

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Alpha Astra Series

Custom Products

Overview of the Normalized Products

Industry project
 Rectifier Battery Charger "RCN"
 Single/Three Phase Inverter "IMN/ITN"
 Switching rectifier and battery charger for Railways application (Mobile)
 Inverter for Railways application (Mobile)
 Voltage regulator for Civil Lighting applications (Tunnel, Road Lights)

Rectifier Battery Charger "RCN"

Power Range: 120/240/VDC 65 to 1100A
 Full digital control
 Open code software: the System Engineering can adapt the basic C code to the application through an user friendly interface (no programming skills are required)
 Adaptable to all input voltages
 Frequency (50 and 60Hz) self adapting
 Adaptable to all output voltages and currents
 Automatic battery rech. (IU-DIN41733, I1 I2 U, U1 U2 I)
 Manual battery recharge
 Parallelable up to 6 units
 LCD Front Panel + RS232 + Free Contact Interface
 Compatible with the main communication standards
 Compliant to the main industrial standards

"Industry" Project

Complete UPS designed for semi-custom applications
 Adaptable to all input voltages
 Double input frequency (50 and 60Hz)
 Special battery intermediate voltages (48 – 110 –220 Vdc)
 Automatic battery rech. (IU-DIN41733, I1 I2 U)
 Manual battery recharge
 High power rectifier to recharge long backup batteries
 Parallelable up to 6 units
 Compatible with the most common industry communications standards
 Easy access for maintenance and service

Single/Three Phase Inverters "IMN/ITN"

Power Range: 5–250kVA
 Full digital control
 OPEN CODE SOFTWARE: the System Engineering can adapt the basic C code to the application through an user friendly interface (no programming skills are required)
 Adaptable to all input DC standard voltages
 Adaptable to all output AC standard voltages
 Parallelable up to 6 unites
 LCD Front Panel + RS232 + Free Contact Interface
 Compatible with the main communication standards
 Compliant to the main industrial standards

Thermal Power Plants



100kVA 3Ph. UPS "ENELPOWER"
 Power stations—ITALY



110/220VDC Rectifiers 30kVA 1Ph.
 Inverter "GENERAL ELECTRIC"
 Port Talbot—UK

Petrochemical Plants and Steel-Works



110VDC Rectifiers 30kVA 1Ph. Inverters
 "IRASCO" Refineries—Iran



3500A Rectifiers "PIRELLI"
 Steel Chord Plants

Naval Civil Applications



250kVA 115VAC 3Ph. UPS
 "LITTON" Cruise Ships—USA



160kVA Frequency converters
 "TIRRENIA" & "MINOAN"
 Ferries—Italy/Greece

Off-Shore Platforms



24VDC Rectifiers 24VDC Stabilizers "SASP"
 OFFSHORE ENG." Clara Complex—Adriatic
 Sea



10kVA UPS Systems "SAIPEM"
 SAIPEM 7000 Drilling Ship

Civil Installations



AUTOLUX 20 to 200kVA mPROCESSOR Controlled
 voltage regulator for lighting control Application:
 Italian Motorway's Tunnels Light Control

For more information visit www.alpha.com

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