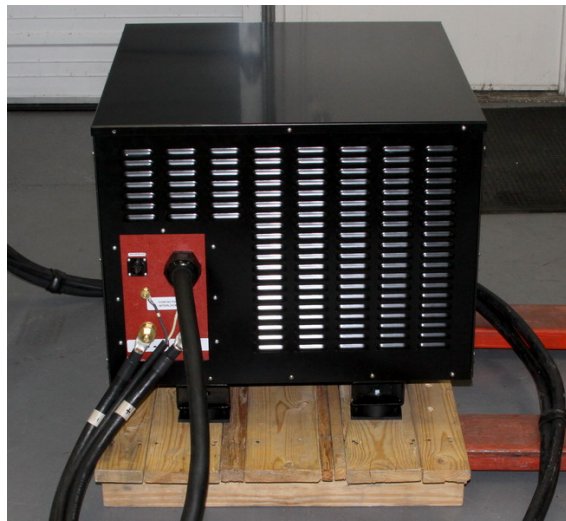


# RTRU-800-400HZ

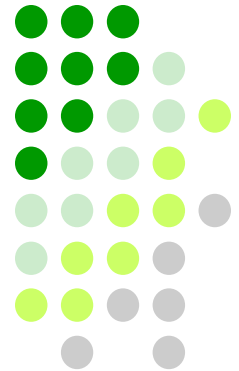
Solid State 12-Pulse  
Regulated-Transformer-Rectifier-Unit  
for Pure DC Ground Power



LCD Based Remote Control  
Head in NEMA 4X enclosure



28VDC 800A  
Continuous Output  
2000A  
Engine Start Output

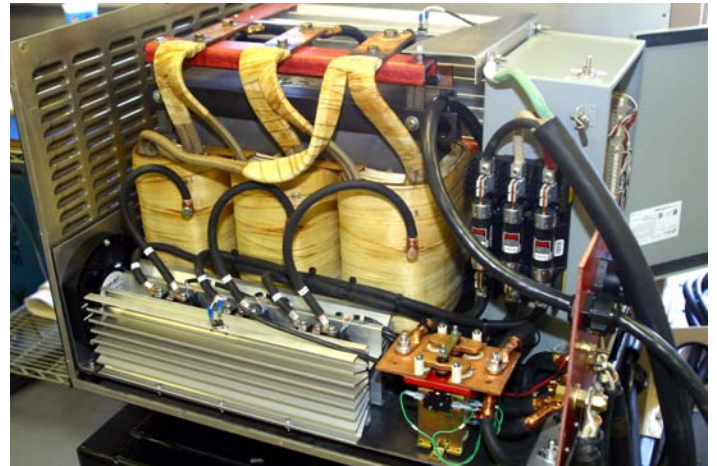


- 200V PH-PH 3Phase 400 Hz Input Power
- 28.0 VDC ((13.5—29.5 VDC) Adjustable Output
- 800 Amps Continuous Output Power
- 2400 Amp (adjustable) Soft-Start Engine Starting
- Adjustable Voltage and Current Limit from remote operators panel (13.5-29.5 VDC 300-2400 AMPS)
- Over voltage Limit internally adjustable. (Factory set at 32.0 VDC)
- Over-current Factory set at 2500 Amps.
- Automatic or Manual Cable Voltage Drop Compensation.
- 34KVA Custom Transformer with 12-pulse rectifier and output filter for less than 100 mV rms ripple at full 800 AMP current.
- Ripple well below MIL-STD-704F and all commercial aircraft power quality standards.
- Low input harmonic distortion enables simultaneous use of GPU AC and DC power outputs.
- Fully regulated output voltage and current.
- Phase Loss and Phase Imbalance protection
- Over Temperature Protection
- Three internal cooling fans
- Remote Operators Panel with Voltage Adjustment, Current Adjustment, Lighted Output Contactor Control, and Lighted Fault Indicator / Reset.

## **RTRU-800-400HZ**

### Solid State 12-Pulse Regulated-Transformer-Rectifier-Unit for Pure DC Ground Power

- Phase Angle Controlled SCR Regulator for precise control of output voltage and current.
- 12-pulse 6 Phase Rectifier unit for 4800 Hz fundamental ripple below 100 mV RMS.
- Heavy Duty Cooling design for Extreme Duty use.
- Heavy Duty Output Contactor
- Custom NEMA enclosure
- Designed for Trailer Mounting on Alliance Ground Power GPU's



Extreme Duty Cooling of SCRs and Rectifier Diodes for long life and reliability.



Extreme Duty 34 KVA Custom Wound 12-Pulse Transformer allows for conservatively rated 800 AMP continuous output

#### **Address Inquires to:**

**Innovative Control Systems, Inc.  
10801 N. 24 Avenue, Suite 103  
Phoenix, Az 85029  
U.S.A.**

**602-861-6984 Main Line  
602-588-9440 FAX**

**sales@icsaero.com**