

L828/L829 Ferroresonant Constant Current Regulator

Certified to FAA AC 150/5345-10 (Current Edition)

Control system has over 12 years and power transformer has over 17 years of proven field performance



Highlights

- Ferroresonant core design for better overvoltage and surge protection
- Efficiency – 90% Minimum - high step fully loaded
- Safety interlock ensures power is disconnected when the door is opened
- Lightning and transient protection on input and output lines
- High Power Factor .99 - high step fully loaded
- On-off switching under load
- Open Circuit and overcurrent protection
- Digital output accuracy and circuit turning capabilities
- Ferroresonant design provides a stable output current that is not affected by flashing loads from strobes or runway guardlights
- Stackable



General Catalog Numbers

FR□□□-□□□□□□-□□

Type
 828=Ferroresonant L828
 829=Ferroresonant L829

Output Rating
 1=1kW 10=10kW
 2=2kW 15=15kW
 4=4kW 20=20kW
 5=5kW 25=25kW
 7=7.5kW 30=30kW

Class
 A=6.6 Amp
 B=20 Amp

Input Voltage
 1=208 VAC, 60Hz
 2=220 VAC, 60Hz
 3=240 VAC, 60Hz
 4=480 VAC, 60Hz

Control Voltage
 A=24 VDC Internal
 B=24 VDC External
 C=48 VDC Internal
 D=48 VDC External
 E=120 VAC Internal
 F=120 VAC External

Brightness Steps
 1=Single Step
 3=3-Step
 5=5-Step

Options

- 1=S-1 cutout installed
- 2=Insulation Resistance Monitor (Automatic Megger)
- 3=Input Power Monitoring (current, voltage, VA, power, power factor)
- 4=Output Power Monitoring (voltage, VA, power, power factor)
- 5=Integral Circuit Breaker
- 6=Single Ethernet /IP Interface
- 7=Dual Ethernet /IP Interface
- 8=Single ModTCP Ethernet Interface
- 9=Dual Mod/TCP Ethernet Interface
- 10=Single RS-485 and Single Ethernet/IP Interface
- 11=Dual RS-485 Interface
- 12=Castors

Example: FR828-4B3C3-6 is a Ferroresonant L828 4kW, 20 Amp, 240 VAC, 60Hz, 48 VDC Internal, 3-Step with an optional Single Ethernet /IP Interface

Contact Factory for requirements not listed

kW Rating	Enclosure Size
1kW - 10kW	24"W x 25.5"D x 40"H
15kW - 30kW	36"W x 30.25"D x 40"H