

## MEDICAL GRADE POWER REGULATOR

### Features

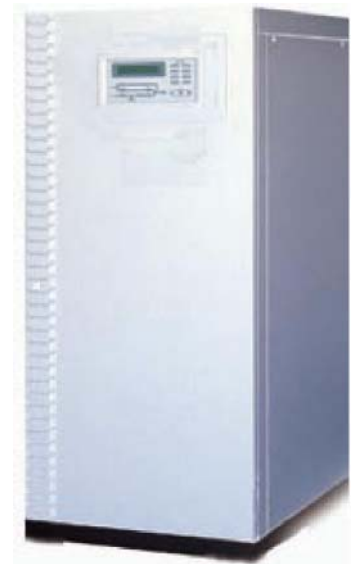
- Small Footprint
- Medical Grade Design
- Protection Against Spikes, Swells, Sags
- Superior Voltage Regulation
- Redundant Circuit Paths
- Service without Shutdown
- Advanced Monitor
- Remote Monitoring
- Low Harmonics
- Light Weight
- Low Heat Dissipation
- Front Service Clearance Only
- High Efficiency
- Easy Installation
- Mimic panel with 24 LED Status and alarm indicators
- Supports Complex Power Factor Loads

### *Model CPE075MR*

#### **For Protection of Linear Accelerators**

##### **Smallest Medical Grade Power Regulator**

The Critical Power Model CPE075M is the smallest and most effective power regulator available for the protection of medical imaging equipment and Linear Accelerators. The inverter driven regulator ensures that the purest possible power is delivered to your equipment. The CPE Power Regulator is perfect for applications with limited floor space.



#### **Protect your Equipment**

- \* ***Increase the Reliability*** – Reduce Service Costs
- \* ***Increase the Lifespan***- Maximize Your Investment
- \* ***Be Alerted to Power Problems*** –Knowledge is Power
- \* ***Save Data Files***- Don't lose your work
- \* ***Continue to Work*** – No Down Time
- \* ***Reduce Power Related Service Costs***

Critical Power Exchange  
[www.criticalpower.com](http://www.criticalpower.com)

877-315-4176

**Model CPE075MR THREE PHASE POWER REGULATOR**

**INPUT**

Voltage (Nominal) <input type="radio"/>	208 or 480 VAC, 3 Ø, 3W + GND
Voltage Range	+20%, -20%
Unit Start	Auto Start and Auto Restart
Frequency	50/60 Hz
Protection	100 Amp Circuit Breaker for Main, Bypass and Maintenance

**PHYSICAL**

Dimensions <input type="radio"/>	22"W x 32"D x 63"H
Weight	995 lbs.
Electrical Connections	Bottom /Front
Cable Entry/Exit	Top or Rear
Service Clearance	Front Only
Operating Temperature	0° C to 40° C
Seismic Anchoring (optional)	Mounting Brackets

**OUTPUT**

Power	110 kva(i)
Power Factor Rating	0.8
Voltage	208 and 480 VAC, Three Phase, Wye
Crest Factor	3:1
Voltage Regulation	± 1%
Harmonic Distortion	V <sub>THD</sub> <2%
Phase Imbalance	120° ± 0.5° (any line or load condition)
Frequency	60 Hz
Frequency Stability	± 0.1%
Overload Rating	150% for 10 Seconds
Neutral	Newly Derived and Bonded to Earth

**COMPLIANCE TESTED**

Surge	IEEE 62.45, ANSI C62.14
ESD	IEC 801.2
RF Interference	FCC Article 15, Section J, Class A
Medical	IEC 60601-1-1
Isolation	U/L 60601-1, U/L 2601-1
Voltage Let Through	U/L 1449
Power	U/L 1012, CUL 22.2
NEC	Article 250 d
Energy Start	C & I Transformers

**SYSTEM**

Configuration	Modular Three Phase Power Regulator
Topology (patented)	Double Conversion
Efficiency	94%
Bypass Automatic	Static
Bypass Manual	Maintenance
Audible Noise	55 dBA at 1 Meter
Cooling	Controlled Forced Air
Heat Dissipation	4,200 BTU, Typical Operation
Transient Suppression	6 Pole High Energy

**AGENCIES**

UL	Underwriter Laboratory
CE	Consultants Europe
CUL	Canadian Underwriter Laboratories
ANSI	American National Standards Institute
FCC	Federal Communication Commission
NFPA	National Fire Protection Agency
IEEE	Institute of Electrical and Electronics Engineers
NEC	National Electric Code
	Health Care Facilities 517

**Note:** These specifications impose additional constraints on the product addressing such details as construction, size, operational interface and system performance. The information is intended to supplement the requirements imposed by U/L IEC60601-1-2003, which are the guiding and governing documents in all matters concerning this product.

**Note:** These specification are subject to change with out notice at any time.

- pecify at time of order
- llow 2" rear clearance for air intake