

MEDICAL GRADE POWER REGULATOR

Model CPE100MR Three Phase Regulator

Protects CT and MRI Imaging Modalities

Features

- Voltage Regulation
- Medical Grade Design
- Surge Suppression
- High Surge Capacity
- Low Output Harmonics
- Low Input Harmonics
- Low Heat Dissipation
- Upgrades to a UPS
- Front Service Clearance Only
- High Efficiency
- Automatic Bypass
- Service Bypass
- Maintenance Bypass
- Easy Installation
- Supports Complex Power Factor Loads

The CPE Power Regulator is the most effective product available for the protection of medical imaging equipment. The inverter driven CPE Power Regulator ensures that the purest possible power is delivered to your equipment. The CPE custom design offers the tightest voltage regulation and lowest harmonics under any load condition. The CPE Power Regulator is perfect for the dynamic electrical characteristics of CT's and MRI Systems.



Protect your Imaging Equipment

- *Increase the Imaging Equipment Reliability*
- *Increase the Imaging Equipment Lifespan*
- *Be Alerted to Power Problems*
- *Better Imaging Quality*
- *Minimize Down Time*
- *Reduce Power Related Service Costs*

Model CPE100MR THREE PHASE POWER REGULATOR

INPUT

Voltage (Nominal) ¹	480 VAC, 3 Ø, 3W + GND
Voltage Range	+20%, -20%
Unit Start	Auto Start and Auto Restart
Frequency	50/60 Hz
Protection	Circuit Breaker: Input, Bypass and Maintenance

OUTPUT

Power	100 kVA(i) (High Surge Rated)
Power Factor Rating	0.8
Crest Factor	3:1
Voltage Regulation	± 1%
Harmonic Distortion	V _{THD} <2%
Phase Imbalance	120° ± 0.5° (any line or load condition)
Frequency	60 Hz
Frequency Stability	± 0.1%
Overload Rating	150% for 20 Seconds
Neutral	Newly Derived and Bonded to Earth

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	MOV Sine-Wave Tracking, (UL 1449, Rated)

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.

¹Specify at time of order

²Allow 2" rear clearance for air intake

PHYSICAL

Dimensions ²	43"W x 31"D x 63"H
Weight	1995 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

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

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