



GOLD SERIES

CT Medical Grade Power Protection

PRO-MED ADVANTAGE 50 kVA - 110Kva(i) THREE PHASE POWER REGULATOR

For Protection of X-ray Generator, MRI Imaging and Radiotherapy

Medical Grade Power Regulator

The WDC® Advantage is the most effective power regulator available for the protection of medical imaging equipment. The inverter driven Pro-Med Advantage ensures that the purest possible power is delivered to your equipment. The WDC® custom design offers the tightest voltage regulation and lowest harmonics under any load condition. The Pro-Med Advantage is perfect for the dynamic electrical characteristics of CT's, MR, and Linear Accelerators.



Features

- Small Footprint
- Medical Grade Design
- Instant Protection Against Power Spikes, Swells, Sags
- Superior Sub Cycle Voltage Regulation
- Low Harmonics
- Light Weight
- Low Heat Dissipation
- Front Service Clearance Only
- High Efficiency
- Easy Installation
- Supports Complex Power Factor Loads
- Upgradable to UPS

Protect your Imaging Equipment

Effective: Corrects for 99.6% of all Power Problems

Image Quality: Ensure the Best Power Quality with Stable Power

Equipment Reliability: Reduce Expensive Power Related Service Calls

Easy Installation: In most Cases No Rigger Required

Low Freight Costs: 1/3 the Weight of Bigger Units

Low Operating Costs: High Efficiency and Low Electrical Consumption

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SPECIFICATIONS

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	50- 110Kva(i) (High Surge Rated)
Power Factor Rating	1.0
Voltage	480 VAC, Three Phase, Wye
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	Dependent upon size
Transient Suppression	High power MOV (UL 1449, Rated)

PHYSICAL

Dimensions ②	See Data Sheet
Weight	See Data Sheet
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

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.

① Specify at time of order

② Allow 2" rear clearance for air intake