



GOLD SERIES

Medical Grade Power Protection

PRO-MED WDC6080M to WDC6320 THREE PHASE UPS

One Model Protects Virtually All Imaging Equipment

MR, CT and Cath Labs

The ProMed is perfect for Multi Suite Operation

The WDC™ Gold Series UPS utilizes a breakthrough design to provide unbeatable power protection features. The WDC™ patented design is the perfect power source for medical imaging equipment in particular Cath Labs systems that have extreme peak current demands and often exhibit unbalanced load characteristics. Output voltages are tightly controlled and harmonic distortion is eliminated even under repeated non-linear, step-load changes caused by the most aggressive scans.



Protect your Imaging Equipment

Increase Reliability of the Imaging Machine

Continue Scanning During a Power Outage

Ensure the Best Images

Low UPS Installation Costs

Best Floor Space Utilization

Easy Modular UPS Maintenance

Lowest Electrical Operating Costs

World Design Concepts & Technologies, Inc.

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Features

- Protects Against Power Spikes, Swells, Sags and Outages
- Superior Voltage Regulation
- Low Output Harmonics
- Low Input Harmonics
- Isolation Transformer
- Light Weight
- Medical Grade Design
- Low Heat Dissipation
- Small Foot Print
- Supports Complex Power Factor Loads
- High Efficiency
- Easy Installation
- Long Life Batteries
- Front Service Clearance Only
- One Button Start Up
- Built-in Maintenance Bypass
- Battery Start-up



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PHASE UPS

SPECIFICATIONS

INPUT

Voltage (Nominal) ①	480 VAC, 3Ø, 3W + GND
Voltage Range	+20%, -20% (without batteries)
Frequency	50/60 Hz
Protection	Main, Bypass and Maintenance Breaker

OUTPUT

Power	80 - 320 Kva (High Surge Rated)
Power Factor Rating	0.8
Voltage ②	480/277 VAC, 3Ø, 4W + GND
Crest Factor	3:1
Voltage Regulation	±1%
Dynamic Regulation	± 2% for Step Load
Harmonics	V THD <2%
Phase Imbalance	120° ± 0.5° (any line or load condition)
Frequency	60 Hz ± 3% sync to input
Frequency Stability	± 0.1%
Overload Rating	150% for 20 Seconds
Neutral	Newly Derived and Bonded to Earth

SYSTEM

Configuration	Modular Three Phase UPS
Topology	Double Conversion
Technology	Redundant DSP, uProcessor
Efficiency	93%
Bypass 1	Static Reverse
Bypass 2	Internal Maintenance
Audible Noise	65 dBA at 1 Meter
Cooling	Controlled Forced Air
Heat Dissipation	19,800 BTU Typical

BATTERY

Battery Time	15 Minutes Operation Typical
Extended Time	Available up to 2 hours
Battery Type	Maintenance Free
Battery Capacity	29 Batteries Typical
DC Nominal Voltage	348 VDC
Protection	Safety Circuit Breaker
Charger	Programmable, Temp Compensated

COMMUNICATIONS

Interface	RS485, RS232, Relay Contacts
Display	Front Mimic Panel LCD 26 LED Operational & Alarms
Audible Alarm	Yes / Programmable
Emergency Shut Down	Local & Remote Capability
Network Capable	Yes (optional)

PHYSICAL

Cabinet Dimensions	See Data Sheet
Cabinet Weight	See Data Sheet.
Battery Cabinet	See Data Sheet
Cabinet Weight	See Data Sheet
Electrical Connections	Front Access
Cable Entry/Exit	Top/Bottom
Service Clearance	Front Only
Operating Temperature	0° C to 40° C (control cabinet) 25° C (battery cabinet)
Seismic Anchoring	Mounting Brackets (optional)

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
Seismic	Zone 4
Power	U/L 1778, CUL 22.2
NEC	Article 250 d
Energy Star	C & I Transformers

AGENCIES

UL	Underwriter Laboratory
CE	Consultants Europe
CUL	Canadian Underwriter Laboratories
ANSI	American National Standards Institute
FCC	Federal Communication Commission
NFPA 70 - NFPA70E	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 without notice at any time.

① Specify at time of order

② Allow 2 inches rear clearance for air intake