NOVA Energy & Automation



Product Specifications On Board Imaging 60A Main Power Distribution Panel

Model NEAOBI60A



Product Description

1. Standard Applications

The Nova NEAOBI60A system Main Disconnect Panel (MDP) serves as the main facility power disconnect source installed ahead of the On Board Imaging equipment. The MDP saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker and the feeder over current devises into one integrated panel. The panel design includes short circuit, overload and emergency shutdown of the system. All power is controlled by an ADA approved through the door disconnect or by the remote emergency operator control station.



Figure 1 Nova OBI Main Disconnect Panel Application Diagram

2. System Compatibility

The Nova NEAOBI60A is compatible with the following medical imaging equipment:

Varian Medical Systems: 2100 C/D, 2300C/D, 21EX, 23EX, Novalis Tx, Trilogy, IX, Silhouette, Clinac iX and several other related projects incorporating on board imaging (OBI)

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3. Identification

Varian Medical Systems: The proper distribution panel can be identified in the Varian Site Planning Packet Note 66.171, 66.690

Equal to item OBI60A480V

4. Features/ Benefits

Features

- UL and cUL listed to conform to NEC
- Labeled to conform with NFPA99, NFPA-70, NEC 100, NEC 110-3
- Provides over current and short circuit protections
- Short circuit current rated at 25kAIC
- Single point main disconnect and termination point (also available as 415/400/380/208V)
- American Disabilities Act (ADA) approved through the door disconnect handle provides one hand ON/OFF operation. The ADA handle makes turning the imaging equipment on and off during emergencies or power failures easy for technicians and nursing staff.
- Lock Out/ Tag Out lockable operating handle provides added safety during maintenance and OSHA requirements.
- Interlocked ON/OFF hinged door prevents access to the panel while the disconnect is in the ON position.
- Door may be locked closed with customer provided padlock.
- ¼ turn slotted door latch provides additional security.
- Isolated Neutral lugs
- Oversized ground lugs for parity sizing of ground wire
- Compact size for easy installation
- Thermal protection
- Factory wired to match Varian equipment and tested
- Manufactured in the USA

Benefits

- Designed, tested, and installed on several projects worldwide
- Acceptable low cost alternative to GE
- Manufactured using the highest quality components for high reliability and long life
- Provides protection for sensitive electronic equipment
- Manufactured to a tolerance which exceeds the specifications of Varian equipment.
- Easy to view LED indicator lights for System ON
- Field adjustable overload and instantaneous trip
- Reduced weight- all components are within a small 45lb enclosure
- Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly
- Provides a standardized platform for other future modifications or upgrades

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5. Specifications

| Model | NEAOBI60A |
|------------------------------------|--|
| Application | Main Disconnect panel for On Board Imaging Equipment |
| Input Voltage | 480VAC |
| Output Voltage | 480VAC |
| Control Voltage | Internally derived 120VAC for controls |
| Overload Current Protection | Factory set to 60A, field adjustable 50-100A |
| Short Circuit Current Protection | 25 kAIC |
| Instantaneous Trip Settings | Field adjustable |
| Approvals | UL/cUL |



Figure 2 Nova 60A OBI Main Disconnect Panel

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6. Weights and Dimensions

| Mounting | OBI main disconnect is provided in a steel enclosure suitable for surface or semi flush installations. |
|------------------------|--|
| Dimensions | Height: 23.62" (600mm) Width:14.2" (400mm) Depth: 5.9" (150mm) |
| Weight | 45 lbs. (20.45 kg) |
| Mounting | Rear wall mounting holes (4). Spaced 0.79" (20mm) from enclosure edge. Optional mounting brackets are available |
| Enclosure | 16 Gauge Carbon Steel, all rounded corners 1 gland plate in the enclosure base. |
| Enclosure Sealing | Foamed-in place polyurethane door gasket |
| Finish | Dip coat primed, powder coated in textured RAL 7035 |
| Latching Mechanism | Two ¼ turn latches with double-bit inserts (cam lock). Door is hinged on the left side but can be swapped if specified when order is placed. |
| Interior Panel | Zinc-Plated subpanel |
| Protection Category | IP 66 to EN60 529/09:2000, complies with NEMA 4 Enclosure Approvals: UL, CSA, TUV, GL, Lloyds, VDE, Bureau Veritas |



Figure 3 Enclosure Dimensions: Outside, Mounting, Depth

7. Warranty

This limited warranty set forth below is given by Nova Automation ("Seller") with respect to the electrical equipment ("Product") packaged with this limited warranty. The Product, when delivered to you in new condition in its original packaging, is warranted against defects in materials or workmanship as follows: For a period of one (1) year from the date of original purchase, defective parts or a defective Product returned to a Seller, or its authorized service providers, as applicable, and proven to be defective upon inspection, will be repaired, or exchanged for a new Product, as determined by the Seller, or the authorized service provider.

This limited warranty covers all defects encountered in normal use of the Product, and does not apply in the following cases: Loss of or damage to the Product due to abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed by Seller, failure to follow Sellers installation instructions, or service performed by someone other than Seller or its authorized service provider.

Nova assumes no responsibility for labor or freight costs incurred in connection with the installation, removal, or replacement of products determined to be defective or any consequential or incidental damages arising from the use of the product. Nova Automations entire liability on any claim of loss or damage resulting from a defective product is limited to the replacement of the product.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH IT WAS MANUFACTURED.

8. Product Service and Technical Assistance

Nova Automation, LLC 2722 N. Avondale Blvd Milwaukee WI 53210 PH# 262-309-2950 Website: www.NovaAutomation.net

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9. Approvals

Prepared By

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This document requires the following approvals

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Approval Date _____

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