Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

2000-Amp Automatic Transfer Switch – 480Y/277V 3-Phase, 4-Wire (3-Pole, Non-Switched Neutral) – NEMA 1 – 65kAIC – Closed Transition – Service Entrance Rated – Integrated Main Circuit Breaker w/ Shunt Trip

Product ID: 346269

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB - Automatic Transfer Switch

Unit Type: Automatic Transfer Switch, Service Entrance Rated

Configuration: 3-Phase, 4-Wire, Non-Switched Neutral
Nominal Voltage: 480Y/277V, 3-Phase
Ampacity: 2000A
Withstand/Closing Rating: 65kAIC — UL 1008 Listed, 1½-cycle and 3-cycle “any breaker” labeling
Transition Type: Closed Transition, with In-Phase Monitor
Main Circuit Breaker: Integrated, Fixed-Mounted, Shunt Trip
Enclosure Type: NEMA 1, Indoor
Lug Type: Compression; #600 KCMIL ×5 (Phase/Neutral), #250 ×5 (Ground)
Mounting Style: Floor Mount, Bottom Feed
Bus/Enclosure Material: Coated Steel, Electrostatically Applied Baked Powder Paint

Controller: Single built-in microprocessor, 12 selectable nominal voltages, 4-line/20-char LCD, True RMS Voltage Sensing (±1%), Frequency Sensing (±0.2%)
Sensing Ranges: Undervoltage 70–98%/85–100%; Overvoltage 102–115%/2% below trip;

Features of Every Assembly

Electrically Operated, Mechanically Held Main Operator
Arc Flash Reduction Maintenance System (ARMS)
SCADA-Ready: Ethernet/Modbus TCP/IP Communications
Full Remote Monitoring, Control & Event Logging

Ratings & Approvals

NRTL Listed to UL 1008, 1½-cycle/3-cycle “any breaker” rating
Designed per applicable NFPA 70 and NFPA 110
Manufacturer certified to ISO 9001
Grounding per applicable state/local codes and NEC

Underfrequency 85–98%/90–100%; Overfrequency 102–110%/2% below trip; Voltage Unbalance 5–20%/1% below trip

Time Delays: Outage override 0–6 sec (ext. to 60 min); Transfer to emergency 0–60 min; Re-transfer to normal 0–60 min (2 modes); Engine cooldown 0–60 min; Selective load disconnect 0–5 min (multiple modes)

Remote Signals & Utility Interface: Pre-transfer SCADA dry contact; remote generator start/transfer input; remote transfer/inhibit inputs; extended-parallel utility protection relay

Communications & Data: Ethernet (10BaseT), Modbus TCP/IP, 99-event data logging, statistical operating data, 7-routine engine exerciser

Auxiliary Contacts: (2) NO/NC, 10A/250VAC, Normal; (2) NO/NC, Emergency; Commit/No-Commit to Transfer: Selectable

Dimensions & Shipping

Overall Dimensions: 90 in H × 39 in W × 48 in D (estimated)

Approximate Weight: 1,250 lbs (estimated)

Shipping Dimensions: TBD

Shipping Weight: TBD

Shipping

Shipped on pallet or skid

Crated shipment available upon request

Final shipping configuration subject to approved design

Special Features

Closed Transition Switching, Integrated Main Breaker w/ Shunt Trip, ARMS, Compression Lug Terminations, In-Phase Monitor

Special Orders – Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and applicable drawings.

The MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB Automatic Transfer Switch from Larson Electronics is a service entrance rated automatic transfer switch designed for managing electrical loads between two power sources in industrial, commercial, and critical power applications. This 2000-amp, 480Y/277V, three-phase, four-wire unit provides automatic load transfer between normal and emergency sources, featuring closed transition switching with an in-phase monitor and an integrated main circuit breaker for coordinated protection.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

The switch is electrically operated, mechanically held, and mechanically interlocked between normal and emergency positions, with silver composition main contacts and front-accessible contact inspection.

Controller & Communications

A built-in microprocessor controller provides true RMS voltage and frequency sensing, a four-line LCD display and keypad, adjustable time delays, and an internal engine exerciser. The controller supports Ethernet and Modbus TCP/IP communications, with onboard event logging and statistical operating data. Remote SCADA interface functions include a pre-transfer signal, remote start/transfer input, transfer/inhibit inputs, and an extended-parallel utility protection relay, along with commit/no-commit transfer selection and source-status auxiliary contacts.

Protection & Withstand
The unit carries a 65kAIC withstand and closing rating, UL 1008 listed with 1½-cycle and 3-cycle “any breaker” labeling, plus an Arc Flash Reduction Maintenance System (ARMS) for reduced arc flash energy during maintenance.

Construction
Constructed of coated steel with electrostatically applied baked powder paint, housed in a NEMA 1 indoor enclosure, floor mounted with bottom feed and compression lug terminations sized to the required conductor schedule.

Manufacturer Basis
Offered as Larson’s custom-engineered equivalent to the specified base manufacturer reference, subject to approval as a prior-approved equal by the engineer of record and owner.

Deliverables & Services
Shop drawings, complete O&M documentation, factory test reporting with certification, onsite training, and spare parts provisioning are included per project submittal requirements.

Applications
Backup generators, power management, energy systems, industrial facilities, commercial spaces, and critical power applications requiring closed transition switching and SCADA integration.

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and applicable drawings.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-ATS-3P4W-2000A-480Y.277-3PH-N1-SER-65K-CT-MCB

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/346269.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/346269.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/346269.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/346269.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/346269.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/346269.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/346269.JPG)
- **Video1**(https://www.youtube.com/watch?v=Y0y4x8djK_8)
- **Video2**(https://www.youtube.com/watch?v=b5iyTFrkRes)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)