

NOARK

ABOUT NOARK



NOARK Electric, subsidiary of the Chint Group, is a global manufacturer of low, medium and high voltage electrical components for commercial and industrial applications. We specialize in motor controls and circuit protection for original equipment manufacturers, contractors and distributors. Our mission is to provide customers with the highest quality products at an exceptional value, backed by world-class service & support.

USD **22.1** Billion
Annual Revenue, CHINT Group

USD **25** Billion
Total Assets, CHINT Group

50,000+
Employees Worldwide

140+
Business Coverage in Countries and Regions

3% -12%
Annual R&D Investment Obtained from the Percentage of Sales

10,000+
Accumulated Authorized Patents

Our Value Proposition sets us apart

Research and Development: All products are developed in-house to meet the strictest standards and performance requirements.

World-class Manufacturing: All our factories are ISO 9001 Certified and have obtained ISO/TS16949 qualification. TQM/Lean practices lead to world-class product and service quality.

NA Mod Centers & Warehouses: located in Pomona, CA, Kitchener, ON and Houston, TX, to ensure prompt, reliable deliveries to NA customers, in the shortest lead times possible.

Segments We Serve

Commercial, Industrial: EV Charging, Data Centers, Building Infrastructure, Public Sector Institutions, Natural Resources, Transportation, Wastewater

OEMs: Automotive, Food and Beverage, Material Handling, Machine Builders, Panel Shops, Robotics and Automation

Utility: Renewable Energy Solutions (Solar, Wind), Battery Storage





Commercial, Construction and Industrial Sector

Noark's components are suitable for the Commercial, Construction and Industrial markets. Our Mod Center and Warehouses in Canada and the US, are well stocked with our products. Our skilled team can quickly build & assemble Enclosed Breakers, UL891 switchboards based on customers' specifications. Our product and R & D experts work with you to develop your solution, source the components and deliver the job in record time!



Enclosed Breakers |

NOARK's Enclosed Breakers combine a UL Listed enclosure with our M Series Molded Case Circuit Breakers and optional neutral terminals, for 3phase 4 wire systems.

- Rated Current up to 600A
- Voltage rating up to 600Vac
- Service Entrance Rated
- NEMA Enclosure Type 1, 12 and 3R
- Molded Case Circuit Breakers (Ex9M Series: M1-M4)
- Neutral terminals for 3P-4W and 2P-3W systems
- Approved to UL489, CSA C22.2 No. 5, File No. E355392, EC/EN 60947-2

LV Switchboards



NOARK Electric's MxS Series LV Power Distribution Switchboards provide a reliable, efficient, and cost-effective solution for electrical power distribution in commercial and industrial facilities.

Features

- 5000A maximum main bus rating
- 600 Vac and below
- Optional 847Vac Rating
- Front or rear accessible
- Indoor or outdoor enclosures
- ANSI-61 gray powder coat paint finish
- Metering, monitoring and communication devices
- Utility metering provisions
- Surge protective devices (SPD)
- Ground fault protection
- Busway and transformer connections
- 65 kAIC standard bus bracing
- Copper bus
- Meets NEMA Standard PB-2 and UL891

Ratings

- 480Vac, 600Vac, 3 Phase 3 Wire
- 480Y/277Vac, 3 Phase 4 Wire
- 600Y/347Vac, 3 Phase 4 Wire
- NEMA Type 1 or Type 3R Enclosure

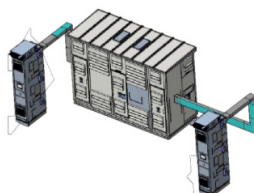
NOARK in Renewable Energy



The "go to" for power distribution products for OEMs, panel builders and system integrators

MPS was facing supply chain issues while executing a renewable energy project. Noark came through with quick reliable deliveries on eight ACBs (A25/A332/A40) and 186 MCCBs (M1-M6 plus the 800VAC breakers (M2HV/M3HV). Anthony Florence, President, Meta Power Solutions, said, "MPS was able to meet stringent deadlines and requirements, thanks to NOARK's competitive pricing, quality and fast timelines."

Noark in Data Centers



Power distribution and Circuit protection

Our circuit breakers, control systems, and power distribution units, are designed to ensure reliable and efficient power delivery to critical data center equipment. NOARK recently signed an electrical business agreement with a Canadian OEM, who has won many orders for Bitcoin Mines and AI data centers. NOARK is also supplying switchgear and components for projects in the USA, destined for large data center installations.



Original Equipment Manufacturers

The Machinery OEM market spans diverse industries such as HVAC, UL508 panel shops, food equipment, air and liquid handling. Noark serves this market by focusing on UL certified power products like MCCBs, contactors, overload relays, and MCBs. Noark also supports E-OEMs, who build specialized switchgear incorporating safety distribution and protection devices like MCCBs and ACBs, by serving local customers with fast delivery cycles, unique designs, and niche end-market needs.

Air Circuit Breakers (ACBs)



A25 Series Power Circuit Breaker

- 600A through 2500A
- IC ratings up to 85kA at 847V
- Short-Time Withstand, 100kA at 635V
- Fixed or Drawout mounting
- 3-pole - 4-pole designs



A32 Series Power Circuit Breaker

- 800A through 3200A
- IC ratings up to 100kA at 635Vac and 85kA at 847Vac
- Short -Time Withstand, 100kA at 635Vac
- Fixed or Drawout mounting
- 3-pole - 4-pole designs



A40 Series Power Circuit Breaker

- 4000A
- Interrupting Capacity ratings up to 100kA @ 635 Vac and 85kA at 847Vac
- Short-Time Withstand, 100kA @ 635Vac and 85kA at 847Vac
- Fixed mounting
- 3-pole - 4-pole designs

Molded Case Circuit Breakers (MCCBs)



Ex9M Series

- 6 Frames sizes - 15A through 1200A
- IC ratings up to 100kA at 480Vac
- Operational voltage ratings from 240-690Vac and 250-600Vdc
- Thermal-magnetic protection (M1~M5); Electronic trip (M6)
- Available in 1, 2 & 3 - pole



Ex9MHV Series

- 2 Frames sizes - 60A through 400A
- IC ratings up to 50kA at 800Vac
- Thermal-magnetic protection
- Available in 3 - pole

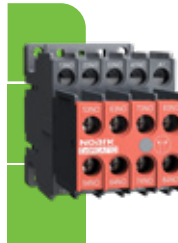
Safety Contactors



Ex9CA

- Positively guided mirror contacts/mechanically linked contacts according to IEC/UL60947-4-1 Annex F, IEC/UL60947-5-1 Annex L
- AC or DC operating coils
- Integrated body with built in auxiliary contacts up to 2NC and 2NO
- Integrated surge suppression on DC coil models

Safety Control Relay



Ex9RCA

- Force guided/mechanically linked contacts as per IEC/UL60947-5-1 Annex L
- AC or DC operating coils 4-pole models
- Extended contacts configuration up to 8 poles with permanent front block
- NEMA A600 and P600 contact ratings per ICS 5-2017

IEC Contactors



Ex9C

- Nine frame sizes with rated current up to 1000A at 690Vac
- Coil control voltage 24 to 600Vac (50/60Hz), and 24 to 500Vdc
- Wide voltage range, electronic coils available for 9A to 500A
- Approved to UL/CSA 60947-1 and UL/CSA 60947-4-1
- Meets IEC/EN 60947-4-1

Thermal Overload Relay



Ex9R

- For use with Ex9C and Ex9CR and Class 10A
- Ex9R Thermal Overload relays have a rated current up to 500A @ 600Vac, 50/60Hz
- Overload protection trip Class 10
- Adjustable current setting for overload protection

Electronic Overload Relay



Ex9RE

- Integrated diagnostics with LED indicators
- Easily mounts on Ex9C 9-38A contactor or on DIN rail 35mm
- Selectable trip class 5/10/20/30
- Manual or automatic reset

Manual Motor Starters



Ex9S32 and Ex9S80 Series

- Suitable for Branch Circuit protection of motor loads
- Class 10 thermal overload protection
- Magnetic short circuit protection
- Ampacity ratings up to 80A @ 600Vac
- Full range of accessories
- Suitable for UL60947-4-1 Type E or Type F combinations (Ex9S32) and Type E combinations (Ex9S80)

NOARK in the Oil and Gas Industry



Circuit & Motor Protection for Select Electrical's Switchgear/MCC in 'unreal' timelines!"

Derek Wolcom, CEO, Select Electrical: "Using NOARK's breakers, we were able to meet some very aggressive (borderline unrealistic) timelines, to enable us to complete the project in record time!" Noark's MCCBs were used with Drives, and 2500A ACBs for the Main Feeders. The Power Circuit breakers were equipped with smart trip units and other internal electrical accessories that ensure proper protection coordination for the Switchgear/ MCC Line-up.



Utility Sector

NOARK's T & D portfolio is designed for electrical systems of medium, high and extra-high voltages up to 1000kV, covering a range of products including power transformers, dead tank circuit breakers, gas insulated switchgears, disconnectors, Medium Voltage cables and components.

Power Transformers & HV Components



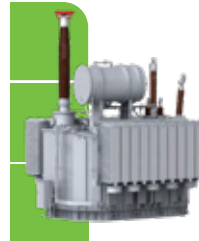
HV Natural Oil-Filled Transformers

Ratings

- Voltage up to 1000kV
- Three Phase Capacity: up to 1200MVA
- Single Phase Capacity: up to 750MVA

Standards

- IEC 60076-1, IEC 60076-2, IEC 60076-3, IEC 60076-5
- IEEE C57.12.00



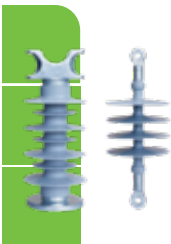
HV Natural Ester Oil-Filled Transformers

Ratings

- Voltage up to 750kV
- Three Phase Capacity: up to 1000MVA
- Single Phase capacity: up to 750MVA

Standards

- IEC 60076-1, IEC 60076-2, IEC 60076-3, IEC 60076-5
- IEEE C57.12.00



High Voltage Insulators

Ratings

- Polymeric Long Rod type: 12kV to 500kV
- Polymeric Pin Insulator type: up to 36kV
- Polymeric Post Insulator type: up to 252kV

Standards

- IEC 61446: 61109; 66217; 66231
- ANSI C29.13



Surge Arrester

Ratings

- 22-500kV (porcelain); 0.22-220kV (composite)
- Metal oxide polymer housing (Gapless): 5kA-20kA, 6kV-200kV
- Metal oxide porcelain housing (Gapless): 5kA-20kA, 6kV-444kV

Standards

- IEC 60099-4
- ANSI C62.11

Pad Mount Transformers & MV Components



Pad Mount Transformers

Ratings

- Voltage range 6kV ~ 35kV
- Capacity: 200 ~ 10000kVA

Standards

- IEEE C57.12.00, C57.12.28, C57.12.34, C57.12.90



Fuse Cut-Out

Ratings

- Voltage from 12kV to 36kV
- Capacity: 100A, 200A, 300A
- BIL up to 200kV

Standards

- IEC 60282-2
- ANSI C37.42

NOARK in the Utility Sector



161kV 15MVar Reactor - Hydro QC
Canada

- End user: SECL for HC
- 2013



230kV 200MVA Autotransformer
USA

- End user: WAPA Archer Substation
- 2016



525kV 525MVA Autotransformer
USA

- End user: Utility Sector Customer (West USA)
- 2021



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