

High performance inverter
RX2 Series

OMRON

A versatile, user-friendly inverter solution



Effortless replacement

The RX2 Series simplifies replacement by keeping the familiar functionality of previous models.



Easy replacement

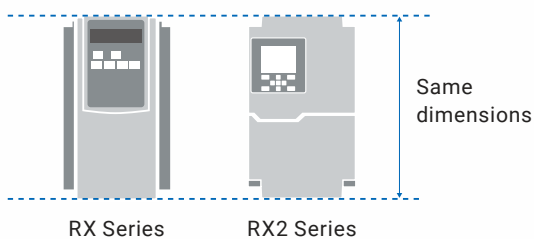
The RX2 Series has the same mounting dimension as the previous model and will fit in existing control panels and mounting locations. In addition, the same setting software, CX-Drive, can be used for the RX2 Series. Parameter settings and programs used for the previous model can be easily converted and transferred to the RX2 Series.

Note: The depth of some models may vary.

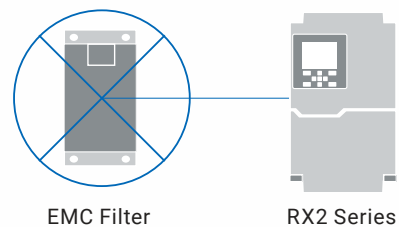
Built-in EMC Filter

Built-in noise filters corresponding to the European EMC Directive IEC61800-3 2nd Environment Category C3 and UL Power Conversion Equipment/UL61800-5-1 reduce the amount of necessary hardware and keep costs to a minimum.

Inside of control panel



Built into inverter



Better usability

The RX2 Series improves upon previous models to achieve greater speed, efficiency, and ease of use.



RX2 Series



Tension control

Easy setup and operation

The new full-color LCD operator, which replaced the previous 7-segment display, makes setup and operation easier and more intuitive. The parameter copy function of the operator allows you to quickly copy parameter settings to other RX2 Inverters.

Easy customization

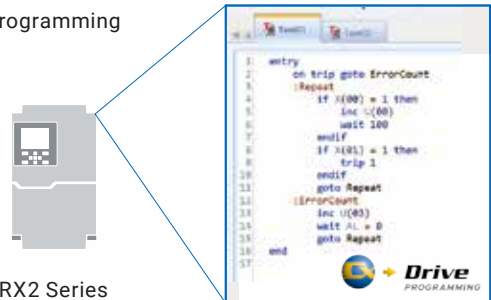
The RX2 Inverter can perform simple sequence control programmed using support software CX-Drive. Crane control, tension control, and other large-scale processes that require fast control speeds can be configured without a PLC, optimizing costs.

LCD operator



RX2 Series

Drive Programming



RX2 Series

A technology that keeps evolving

The RX2 Series will continue to offer new functionality that improves productivity amid ever-changing demands.



PM motor control

The RX2 Series can control permanent magnet motors (PM motors) as well as induction motors. Auto-tuning maximizes PM motor performance, helping save energy.



RX2 Series



AC Motor

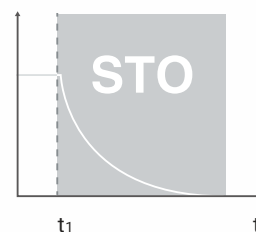


PM Motor

Built-in safety functions

The RX2 Series features Safe Torque Off (STO) as standard to meet your machine safety needs.

Certified safety standards:
IEC 61800-5-2:2016 STO SIL3
ISO 13849-1:2015 Cat.4 PLe



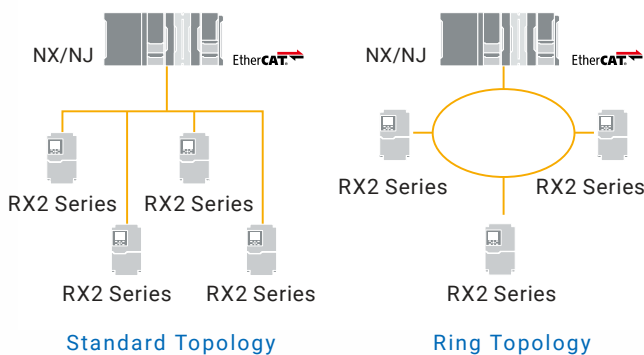


EtherCAT®

EtherCAT®

The EtherCAT option is available. Connect the RX2 Inverters with the NX/NJ Machine Automation Controller to improve development and production productivity.

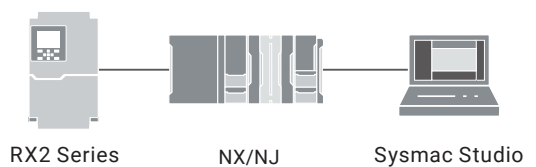
Both standard and ring topology configurations are possible.



Shorter time to market

Benefits of having a single integrated development environment include the following:

- Easier collaboration
- Easy troubleshooting with Sysmac
- Integrated commissioning tools
- Multiple configuration options
- Open Standards



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