

High performance inverter
RX2 Series

OMRON

The Driving Evolution



Evolved Heritage

This high performance inverter offers the same usability as the previous model, which allows easy replacement.



Press working



Filling control

Easy replacement

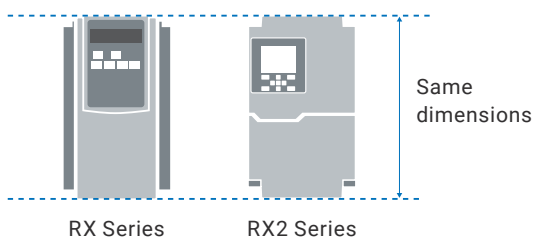
The RX2 Series with the same mounting dimension as the previous model will fit in the existing control panel or mounting location. In addition, the same setting software CX-Drive can be used for the RX2 Series. Parameter settings and programs used for the previous model can be easily converted and transferred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

Note: The depth of some models may vary.

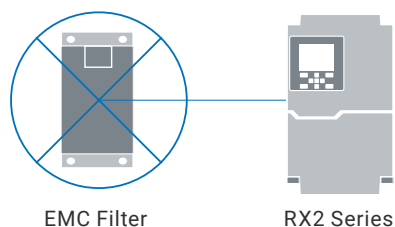
Built-in EMC Filter

Built-in noise filters corresponding to the European EMC Directive IEC61800-3 2nd Environment Category C3 and UL Power Conversion Equipment/UL61800-5-1 will save external hardware and extra cost.

Inside of control panel



Built into inverter



Usability Evolving

The RX2 Series delivers improved usability: more efficient, easier, and faster.

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 more intuitive and easier. The parameter copy function of the operator allows you to quickly copy parameter settings to other RX2 Inverters.

Application customized

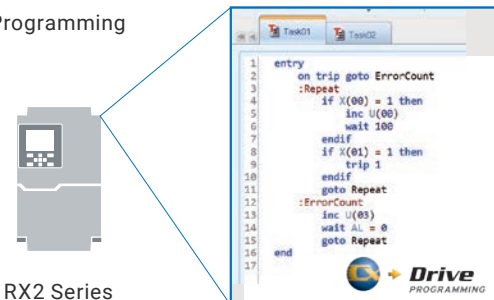
The RX2 Inverter can perform simple sequence control programmed using support software CX-Drive. Crane control, tension control, and other large-scale processes that require fast control speeds can be configured without a PLC, optimizing costs.

LCD operator



RX2 Series

Drive Programming



RX2 Series

In Constant Evolution

The RX2 Series continues to evolve, meeting ever-changing demands and helping improve productivity.



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

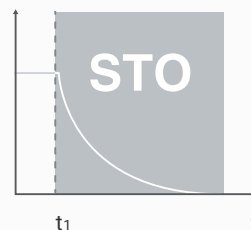


PM Motor

Safety embedded

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

- STO according to IEC 61800-5-2
- PLe and CAT 4 according to EN ISO 13849-1
- SIL3 according to IEC 61508 and EN/IEC 62061



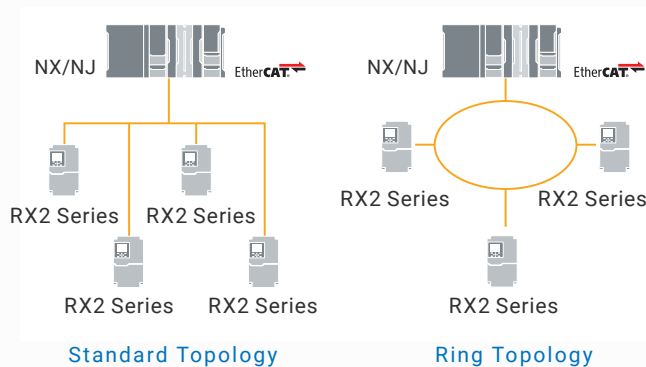
EtherCAT[®]



EtherCAT[®]

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

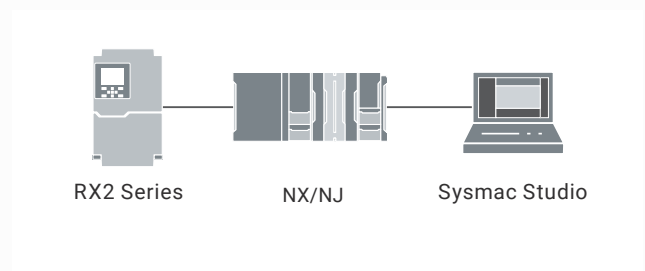
Both configurations are possible, standard and Ring topology.



Minimize time to market

One Integrated Development Environment Software.

- One software to integrate
- Work as a team
- Integrated commissioning tools
- Sysmac troubleshooter
- Multiple configurations
- Open Standards



MEMO

MEMO

Sysmac is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products.
Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/ or other countries.
EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.
Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.
The product photographs and figures that are used in this catalog may vary somewhat from the actual products.
Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.
Some images are used under license from Shutterstock.com.

Note: Do not use this document to operate the Unit.

OMRON Corporation Industrial Automation Company

Kyoto, JAPAN

Contact : www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31) 2356-81-300 Fax: (31) 2356-81-388

OMRON ASIA PACIFIC PTE. LTD.

438B Alexandra Road, #08-01/02 Alexandra
Technopark, Singapore 119968
Tel: (65) 6835-3011 Fax: (65) 6835-3011

OMRON ELECTRONICS LLC

2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900 Fax: (1) 847-843-7787

OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-6023-0333 Fax: (86) 21-5037-2388

Authorized Distributor:

©OMRON Corporation 2019-2025 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

CSM_2_4

Cat. No. I923-E1-05 0325 (0319)