

Compliance with EU Battery Regulations

■Date of Issue

June 2024 (Ver. D: November 2024)

■Relevant Models

MELSEC series, MELIPC series, and GOT2000 series

Thank you for your continued support of Mitsubishi Electric products; programmable controller MELSEC series, industrial computer MELIPC series, and Graphic Operation Terminal GOT2000 series.

The battery products without the CE mark will be banned from exportation in the European market after August 18, 2024 by the EU Battery Regulations.

This technical bulletin informs you of changes about the following batteries and products with built-in batteries to comply with the regulations.

There is no impact on the general specifications, performance specifications, functions, and external dimensions of products due to the change.

1 RELEVANT MODELS

The following shows the relevant models.

Product	Model
Batteries for the MELSEC-Q series	Q8BAT, Q8BAT-SET
Batteries for the MELSEC-Q/L series and MELSEC iQ-R series	Q7BATN, Q7BATN-SET
Batteries for the MELSEC-Q/L/QS/WS series and MELSEC iQ-R series	Q6BAT
Batteries for the MELSEC-A/QnA series	A6BAT
Batteries for the MELSEC-F series	F2-40BL, FX1N-BAT, FX2NC-32BL
Batteries for the MELSEC-F series, MELSEC iQ-R/iQ-F series, and MELIPC series	FX3U-32BL
Batteries for the MELSEC-Q series memory card	Q2MEM-BAT, Q3MEM-BAT
Batteries for the GOT2000 series	GT11-50BAT, GT15-BAT

1.1 Products With Batteries Included or Built In

The following tables list the products with batteries included or built in.

Products that include batteries

Product	Model	Included battery
MELSEC-Q series memory card	Q2MEM-1MBSN, Q2MEM-2MBSN	Q2MEM-BAT
	Q3MEM-4MBS, Q3MEM-8MBS, Q3MEM-4MBS-SET, Q3MEM-8MBS-SET	Q3MEM-BAT

Products with built-in batteries

Models that do not comply with the CE standard, were announced to be discontinued, and had been discontinued are excluded.

Product	Model	Built-in battery
MELSEC-Q series CPU module	All models	Q6BAT
MELSEC-Q series C Controller module		
MELSEC-Q series Web server module		
MELSEC-L series CPU module	QJ71WS96	
MELSEC-L series CPU module	All models	
MELSEC iQ-R series CPU module (Programmable controller CPU, Safety CPU, Process CPU, and SIL2 Process CPU)	All models (other than the R00CPU, R01CPU, and R02CPU)	
MELSEC iQ-R series C Controller module	R12CCPU-V	Coin cell battery
MELSEC iQ-R series MELSECWinCPU module	R102WCPU-W	
MELSEC-F FX3U series main module	All models	FX3U-32BL
MELSEC-F FX3UC series main module		
MELSEC-F series handy programming panel	FX-30P	
Industrial computer MELIPC series	MI5122-VW	
	MI3321G-W, MI3315G-W, MI2012-W, MI2012-W-CL	Coin cell battery
GOT2000 series main body	All models (other than the GT2506HS-VTBD and GT2103-P)	GT11-50BAT
	GT2506HS-VTBD	GT15-BAT

FA-A-0436-D

2 DETAILS ON THE CHANGE

To comply with the EU Battery Regulations, the following indications will be added on the battery label or product packaging depending on the situation.

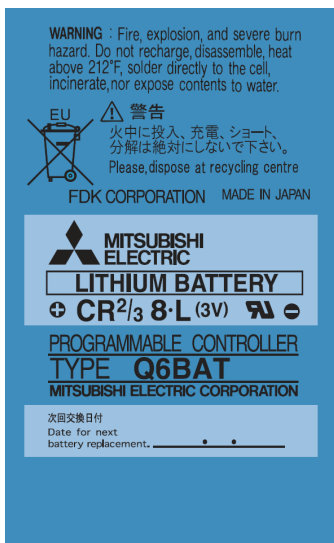
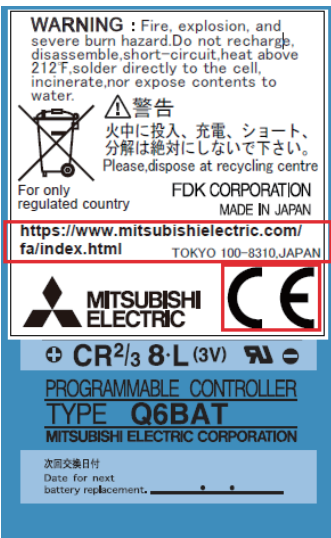

- CE mark
- Address of our head office
- URL of our website

The indication method depends on product. The following are examples of indication methods.

Label

■ Q6BAT

A sticker will be attached, or the label will be changed.

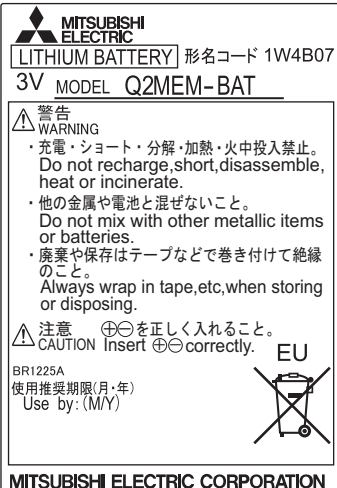
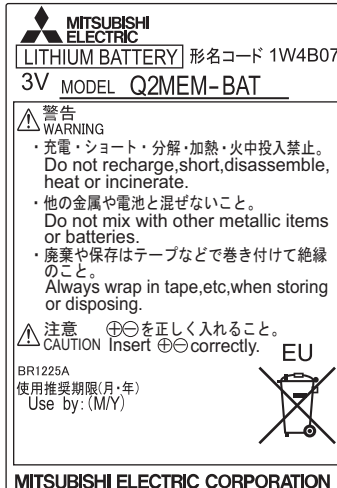
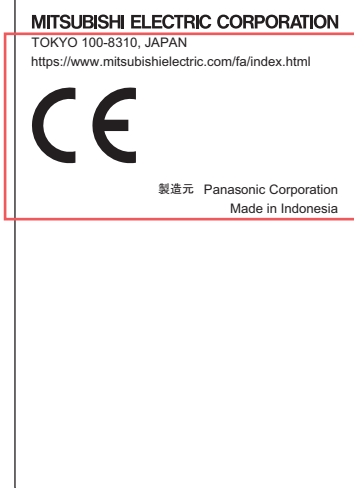

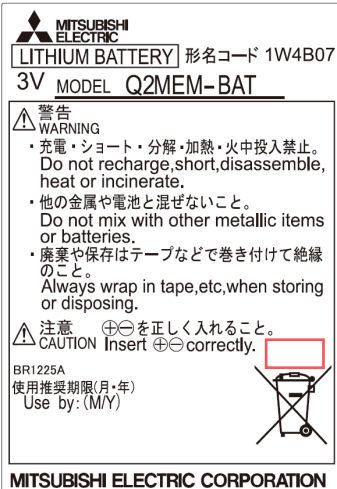
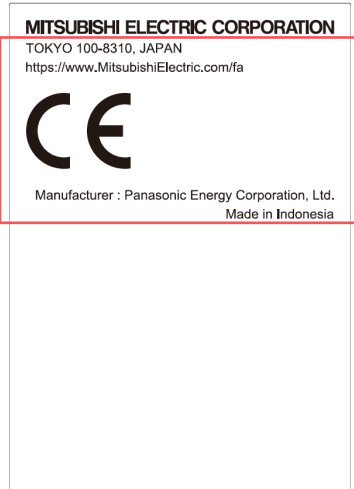
Before change	After change
 <p>The 'Before change' label is a blue rectangular sticker. At the top, it contains a warning in English: 'WARNING : Fire, explosion, and severe burn hazard. Do not recharge, disassemble, heat above 212°F, solder directly to the cell, incinerate, nor expose contents to water.' Below this is a warning symbol (a triangle with an exclamation mark) and Japanese text: '警告 火中に投入、充電、ショート、分解は絶対にしないで下さい。 Please, dispose at recycling centre.' To the left of the Japanese text is a recycling symbol with 'EU' above it. Below the warning is 'FDK CORPORATION MADE IN JAPAN'. The main body of the label features the Mitsubishi Electric logo, 'LITHIUM BATTERY', 'CR²/₃ 8·L (3V)', a recycling symbol, and 'PROGRAMMABLE CONTROLLER TYPE Q6BAT MITSUBISHI ELECTRIC CORPORATION'. At the bottom, it says '次回交換日付 Date for next battery replacement.'</p>	<p>• Stickers attached</p>  <p>The 'After change' label shows the same blue sticker as before, but with a white rectangular sticker attached to its top half. The white sticker contains the same warning text as the blue sticker, but with a red box around the URL 'https://www.mitsubishielectric.com/fa/index.html' and the CE mark. Below the white sticker, the blue sticker's text is visible, including the Mitsubishi Electric logo, 'LITHIUM BATTERY', 'CR²/₃ 8·L (3V)', a recycling symbol, and 'PROGRAMMABLE CONTROLLER TYPE Q6BAT MITSUBISHI ELECTRIC CORPORATION'. At the bottom, it says '次回交換日付 Date for next battery replacement.'</p> <p>• Label changed</p>  <p>The 'After change' label shows the same blue sticker as before, but with a white rectangular sticker attached to its top half. The white sticker contains the same warning text as the blue sticker, but with a red box around the URL 'https://www.mitsubishielectric.com/fa/index.html' and the CE mark. Below the white sticker, the blue sticker's text is visible, including the Mitsubishi Electric logo, 'LITHIUM BATTERY', 'CR²/₃ 8·L (3V)', a recycling symbol, and 'PROGRAMMABLE CONTROLLER TYPE Q6BAT MITSUBISHI ELECTRIC CORPORATION'. At the bottom, it says '次回交換日付 Date for next battery replacement.'</p>

FA-A-0436-D

Indication on packaging

■ Q2MEM-BAT

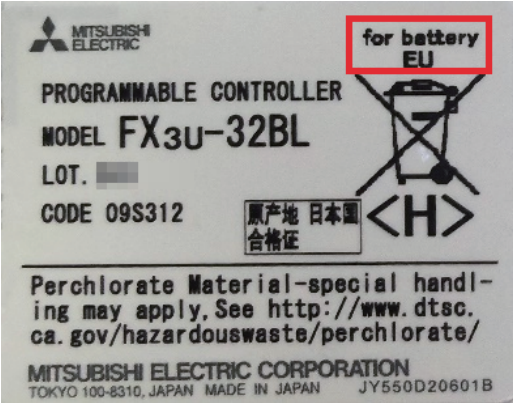
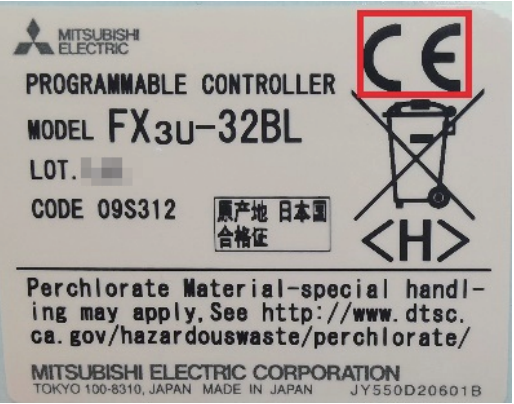
The CE mark, our head office address, and our website URL will be added on the rear of the packaging.

Before change	After change	
<p>• Surface</p> 	<p>• Surface (no change)</p> 	<p>• Rear</p> 
<p>• Surface</p> 	<p>• Surface</p> 	<p>• Rear</p> 

FA-A-0436-D

■ FX3U-32BL

The CE mark will be added.

Before change	After change
 <p>The image shows the product label for the Mitsubishi Electric Programmable Controller Model FX3U-32BL before the change. The label includes the Mitsubishi Electric logo, model name, lot number, and code 09S312. It features a crossed-out trash bin icon with the text 'for battery EU' in a red box above it. Below the icon is a Japanese label '原産地 日本国 合格証' and a hazard symbol '<H>'. At the bottom, it states 'Perchlorate Material-special handling may apply. See http://www.dtsc.ca.gov/hazardouswaste/perchlorate/' and 'MITSUBISHI ELECTRIC CORPORATION TOKYO 100-8310, JAPAN MADE IN JAPAN JY550D20601B'.</p>	 <p>The image shows the product label for the Mitsubishi Electric Programmable Controller Model FX3U-32BL after the change. The label is identical to the 'Before change' version, but the 'for battery EU' text has been replaced by the CE mark, which is enclosed in a red box.</p>

3 CHANGEOVER PERIOD

The change will be applied to the products manufactured on or after June 2024.

Depending on stock status, both the old and new products may be distributed in the market around that time.

The battery products without the CE mark will be banned from exportation in the European market after August 18, 2024 by the EU Battery Regulations.

4 REPLACEMENT OF DESCRIPTION IN RELEVANT MANUALS

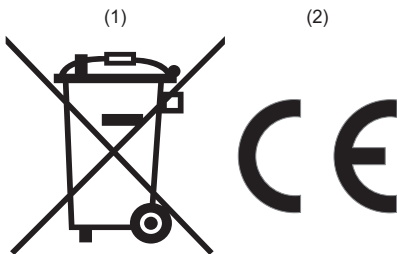
Handling of batteries and devices with built-in batteries in the EU member states is changed, so description in the target module manuals will be changed.

These manuals will be revised sequentially, thus descriptions may not be consistent among relevant manuals. In this case, please replace the description as appropriate with the description shown in the following tables.

Disposal precautions

Current description	Description after change
The symbol is valid in the EU member states only. The symbol is specified in Article 20 "Information for end-users" and ANNEX II of the new EU Battery Directive (2006/66/EC).	The symbol is specified in Article 13 "Labelling and marking of batteries" and ANNEX VI of the EU Battery Regulations ((EU) 2023/1542).

Exportation precautions

Current description	Description after change*1
<p>The new EU Battery Directive (2006/66/EC) requires the following when batteries and/or devices with built-in batteries are sold and exported to the EU member states.</p> <ul style="list-style-type: none"> To print the symbol on batteries, devices, or their packaging To explain the symbol in the product manual <p>(1) Labeling To market or export batteries and/or devices with built-in batteries, which have no symbol mark, to EU member states on or after September 26, 2008, print the symbol mark shown in the following on the devices or their packaging.</p> <p>(2) Explaining the symbol in the manuals To export devices incorporating our programmable controllers to EU member states on or after September 26, 2008, provide the latest manuals that include the explanation of the symbol mark. If manuals of the programmable controllers are not provided or if older edition manuals that do not include the explanation of the symbol mark are provided, separately attach an explanatory note regarding the symbol mark to each manual of the devices.</p> <p>■ Point The requirements apply to batteries and/or devices with built-in batteries manufactured before the enforcement date of the new EU Battery Directive (2006/66/EC).</p>	<p>The EU Battery Regulations ((EU) 2023/1542) requires the following when batteries and/or devices with built-in batteries are sold and exported to the EU member states.</p> <ul style="list-style-type: none"> To print the symbol marks (1) and (2) on batteries (if not possible, on product manuals and packaging) To explain the symbol mark (1) in the product manual <p>The display and explanation of the symbol mark (1) are requirements continued from the new EU Battery Directive (2006/66/EC).</p> <div style="text-align: center;">  <p>(1) (2)</p> </div> <p>(a) Labeling To comply with the new EU Battery Regulation 2023/1542, print the symbol mark (1) and (2) on the batteries or their manuals and packaging. (Start date: August 18, 2024)</p> <p>(b) Explaining the symbol in the manuals To export devices incorporating our programmable controllers to EU member states on or after August 18, 2024, provide the latest manuals that include the explanation of the symbol mark (1). If manuals of the programmable controllers are not provided or if older edition manuals that do not include the explanation of the symbol mark (1) are provided, separately attach an explanatory note regarding the symbol mark (1) to each manual of the devices.</p> <p>■ Point The requirements apply to batteries and/or devices with built-in batteries manufactured before the enforcement date of the new EU Battery Directive (2006/66/EC) or the new EU Battery Regulation 2023/1542.</p>

*1 The explanation on the symbol marks (1) and (2) in the manual used may differ from that in this bulletin. The explanation in this bulletin is the most current. Thank you for your understanding.

REVISIONS

Version	Date of Issue	Revision
A	June 2024	First edition
B	August 2024	The description after change was explained in more detail.
C	August 2024	The description in Chapter 3 CHANGEOVER PERIOD was corrected.
D	November 2024	Correction of replacement content.

TRADEMARKS

The company names, system names, and product names mentioned in this technical bulletin are either registered trademarks or trademarks of their respective companies.

In some cases, trademark symbols such as [™] or [®] are not specified in this technical bulletin.