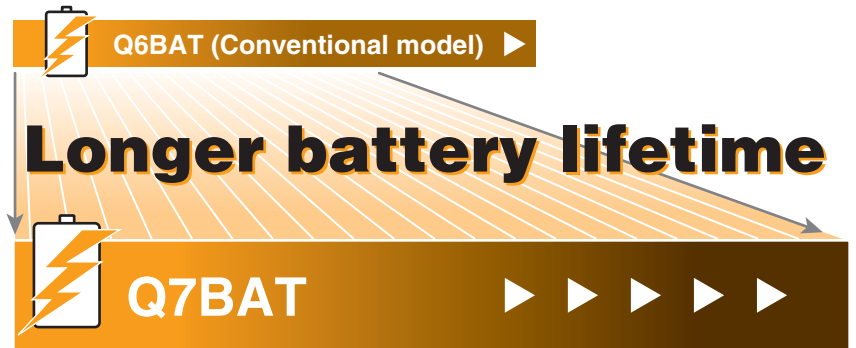
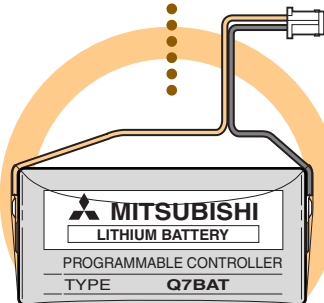
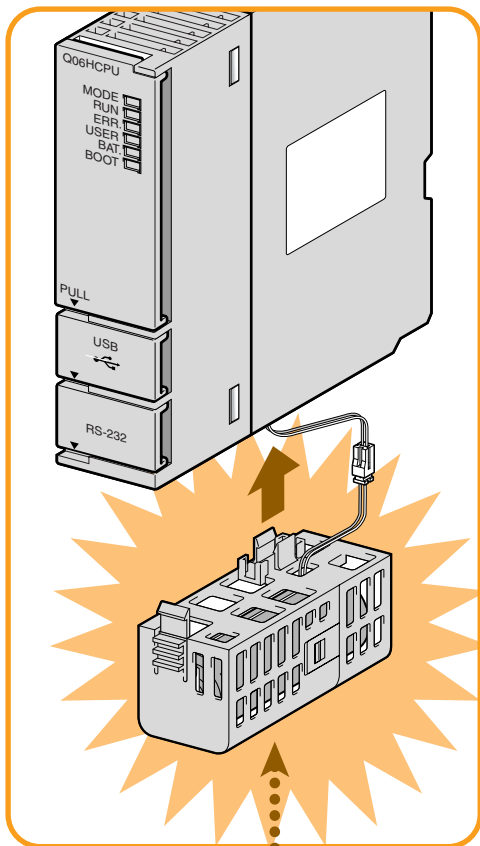

 Large capacity battery
Q7BAT(-SET)

Virtually double the battery back up time compared to conventional model!



- The battery lifetime has been extended to almost double of the Q6BAT.
 - The replacement interval for preventative maintenance has been substantially extended due to the longer battery lifetime. Therefore, the overall maintenance work needed has been reduced.
- Target CPU → **High performance model QCPU**
→ **Process CPU**
 - The back up time depends on each CPU model and version. Please confirm the details for the corresponding CPU in the user manual.

[Example: energized time ratio 50% back up time]¹

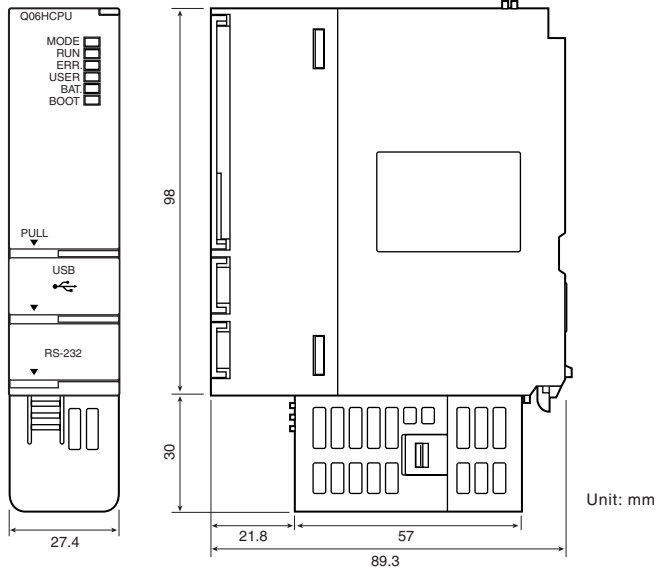
CPU model	Q7BAT
Q02HCPU, Q06HCPU	Value in actual use (TYP) ² 3.2 years
Q25HCPU, Q25PHCPU	Value in actual use (TYP) ² 2.2 years

*1: Ratio for power ON time in 24 hours for one day.
(For 12 hours power ON and 12 hours power OFF it is 50%)
*2: Value for storage ambient temperature 40°C
(Operating ambient temperature 25°C)

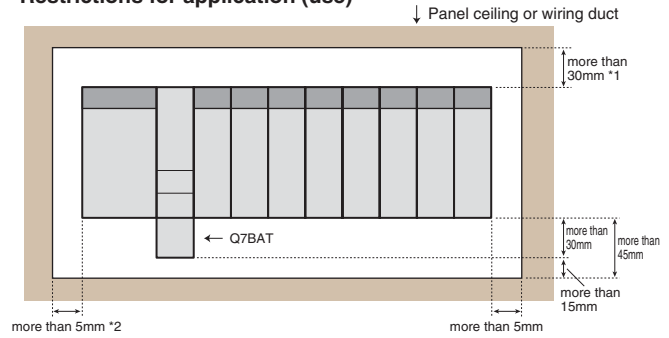
Mitsubishi Electric Corporation Nagoya Works is a factory certified for ISO14001 (standards for environmental management systems) and ISO9001 (standards for quality assurance management systems).



External dimensions/Restrictions for installation



Restrictions for application (use)



- *1: When the height of the wiring duct is less than 50mm. In other cases more than 40mm.
- *2: When mounting the extension cable without removing the adjoining module more than 20mm. When using the slim type main base unit more than 17mm.

Performance specifications

Item	Specifications
Battery type	Manganese dioxide lithium primary battery
Initial voltage (V)	3.0
Nominal current (mAh)	5,000
Power conserving lifetime	5 years (Room temperature)
Application	For sequence program memory, standard RAM latch
Method of disposal	Industrial waste
Packaging specification	Packaging conforming to transportation restrictions*1

Product name	Model	Model code
Battery unit	Q7BAT	1W4548
With battery holder	Q7BAT-SET	1W4549

*1: As they include lithium, the Q7BAT-SET and Q7BAT must be treated as Class 9 dangerous goods during transportation. Prior to shipment, Mitsubishi packs products properly in order to ensure safety. However, when transporting the products, which are unpacked once or repacked after purchase, make sure to observe the dangerous goods regulations of the country as well as IATA Dangerous Goods Regulations and IMDG code. Also, consult and determine the details with the transportation company.

Manuals

Relevant manual

Manual name	Manual shipping style	IB/SH No	Compatible sub-No.	Model code
High Performance Model QCPU (Q Mode) User's Manual (Hardware Design, Maintenance and Inspection)	Sold separately	SH-080037	-H or higher	13JL97
Process CPU (Hardware Design, Maintenance and Inspection) User's Manual Q12PHCPU Q25PHCPU	Sold separately	SH-080314E	-C or higher	13JR55

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