

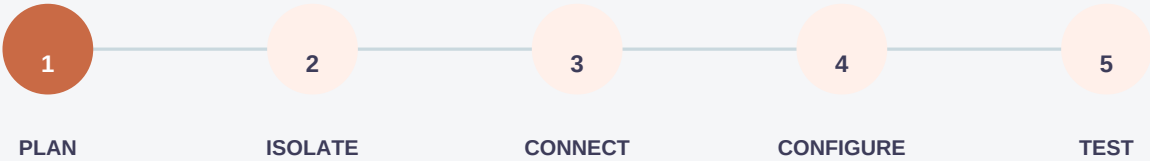
# HHR-11F2A1

## Industrial Rechargeable Battery

CONTROLLED ENGINEERING COPY

Yokogawa HHR-11F2A1 is the industrial rechargeable battery for Yokogawa industrial battery equipment. It provides battery-backed retention support for documented Yokogawa equipment in the documented installation.

| INSTALLATION IDENTITY | REQUIRED VALUE                             |
|-----------------------|--------------------------------------------|
| Complete model        | HHR-11F2A1                                 |
| Manufacturer          | Yokogawa                                   |
| System family         | Yokogawa industrial battery equipment      |
| Record scope          | Installation, application and verification |



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# 01 PRE-INSTALLATION PLAN

- 1

Confirm the complete HHR-11F2A1 marking and the documented Industrial Rechargeable Battery execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.
- 5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

## MATCHED HARDWARE

- Yokogawa HHR-11F2A1 with complete article identity
- Matched Yokogawa industrial battery equipment host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                                                             |
|--------------------|---------------------------------------------------------------------------------------------|
| Identity           | HHR-11F2A1 recorded                                                                         |
| Physical interface | Installed terminals, ports and signal paths matched to the as-found record                  |
| Configuration      | Approved hardware and engineering configuration restored                                    |
| Functional proof   | Controlled test confirms battery-backed retention support for documented Yokogawa equipment |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM               | REQUIRED VALUE                                         |
|--------------------------|--------------------------------------------------------|
| Exact model              | HHR-11F2A1                                             |
| Product category         | Rechargeable industrial battery                        |
| Official material family | Nickel metal hydride / nickel cadmium batteries        |
| Product form             | Manufactured battery article                           |
| Official document type   | Safety Data Sheet                                      |
| Supplier record          | Yokogawa Australia Pty Ltd                             |
| Official document date   | February 2017                                          |
| Documented model status  | Explicitly listed in the Yokogawa SDS model-name group |

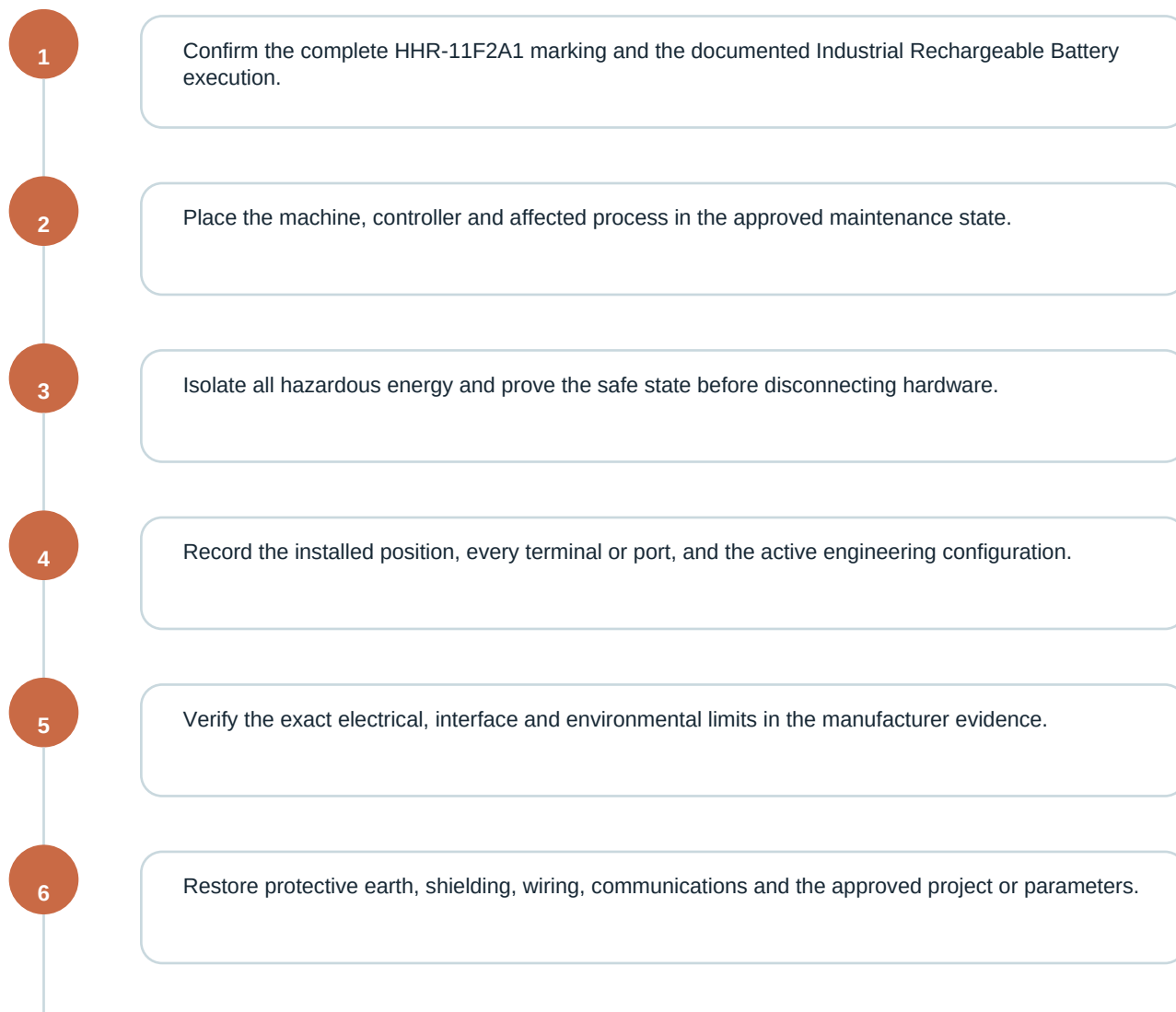
### RELATED PRODUCT PAGES

|                        |                            |                     |
|------------------------|----------------------------|---------------------|
| 1 Yokogawa EB401-50-S1 | 2 Yokogawa ALF111-S50-S1   | 3 Yokogawa ET5-B    |
| 4 Yokogawa VF702       | 5 Yokogawa ANB10D-427-CU2T | 6 Yokogawa EC402-51 |
| 7 Yokogawa CP451-10-S2 | 8 Yokogawa PW482-50        |                     |

### FIELD NOTE

Confirm HHR-11F2A1, its exact Yokogawa industrial battery equipment host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

## 03 COMMISSIONING WORKFLOW



### COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                                                                        |
|--------------------|---------------------------------------------------------------------------------------------|
| Identity           | HHR-11F2A1                                                                                  |
| Physical interface | Installed terminals, ports and signal paths matched to the as-found record                  |
| Configuration      | Approved hardware and engineering configuration restored                                    |
| Functional proof   | Controlled test confirms battery-backed retention support for documented Yokogawa equipment |

# 04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of battery-backed retention support for documented Yokogawa equipment before release.

## VERIFICATION RECORD

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| PRODUCT IDENTITY    | HHR-11F2A1                                                |
| INSTALLED POSITION  | Documented Yokogawa industrial battery equipment position |
| VERIFICATION METHOD | Controlled inspection and functional test                 |
| RELEASE RECORD      | Final diagnostic state retained before service            |

## FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of battery-backed retention support for documented Yokogawa equipment before release.

## SOURCE IDENTIFIERS

Yokogawa Nickel Metal Hydride/Nickel Cadmium Batteries Safety Data Sheet | Official manufacturer evidence verified 28 September 2026