IS420UCSCH1A-H-V0.1-A

01 / System identity and preparation

GE IS420UCSCH1A-H-V0.1-A belongs in the identification record for the installed Mark VIe controller. Match its complete label and software configuration before restoring the application and network relationships.

Engineering context

Offered model	IS420UCSCH1A-H-V0.1-A
Base reference	IS420UCSCH1A
Base processor	1.2 GHz quad-core AMD
Control platform	Mark VIe

Preparation priorities

Complete identity	Compare the full IS420UCSCH1A-H-V0.1-A label and any revision markings.
Application and software	Preserve the approved software, application backup and network configuration.

Guide boundary

This Apter Power guide organizes identification, preparation and acceptance checks. Use the applicable manufacturer instructions and approved site procedure for detailed wiring, mounting, firmware operations and testing.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

IS420UCSCH1A-H-V0.1-A

02 / Configuration review before service

Complete identity	Compare the full IS420UCSCH1A-H-V0.1-A label and any revision markings.
Application and software	Preserve the approved software, application backup and network configuration.
Power and mounting	Confirm the actual supply connection, vertical orientation and cooling arrangement.
System acceptance	Check diagnostics, I/O communication and approved redundancy behavior before release.

Retain the complete marking

Record IS420UCSCH1A-H-V0.1-A, all additional labels and the installed controller identity. Do not reduce the replacement record to the base number alone.

Preserve software and configuration

Back up the approved application, firmware information and network assignments. Do not infer the installed software release from the H-V0.1-A marking.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Verify the controller supply

The base reference uses 18 to 30 V DC with 24/28 V DC nominal and 31 W maximum. Confirm applicability to the offered unit and the actual power connection before installation.

Maintain cooling orientation

The base controller uses convection cooling in a vertical orientation. Preserve the cabinet airflow, mounting arrangement and environmental conditions required by the system.

Key hardware references

Base reference	IS420UCSCH1A
Base processor	AMD GX-412HC
Base CPU frequency	1.2 GHz
Base CPU cores	Four; two Mark VIe cores

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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04 / Commissioning and diagnostic decisions

Restore network roles

Label cables and retain the original Ethernet port assignments. Verify network isolation and communication roles before reconnecting the controller.

Commission within the system

Use the approved GE and site procedure to verify software, I/O communications, diagnostics and any redundant-set behavior before operational release.

Acceptance checkpoints

Before energization	Preserve the approved software, application backup and network configuration.
Configuration review	Confirm the actual supply connection, vertical orientation and cooling arrangement.
Functional release	Check diagnostics, I/O communication and approved redundancy behavior before release.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The current manufacturing and support phase for IS420UCSCH1A-H-V0.1-A has not been confirmed. Obtain current GE Vernova guidance for this complete identity and installed application.

Technical basis

GE Vernova Mark VIe UCSE Fact Sheet, GEA35665 (October 2024), UCSCH1A/B hardware comparison.

Applicability

Figures identify the IS420UCSCH1A base design; confirm the complete H-V0.1-A unit, software and system configuration separately.

Related portfolio references

General Electric IS200TRPGH1B

General Electric IS200VVIBH1CAB IS200VVIBH1C

General Electric IS220PRTDH1A

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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