AcuPanel-EASI-3

3 Phase Subpanel

QUICK SETUP GUIDE

ACUPANEL EASI

UL 508A

c UL us

CE

ANSI C12.20 .2 CLASS

ACCUENERGY

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IMPORTANT SAFETY NOTICE

Read this document and the following symbols carefully before the installation, operation and maintenance of the AcuPanel-EASI-3.

Accuenergy is not responsible or liable for any damages or injuries caused by improper meter installation and/or operation.

- Prior to maintenance and repair, the equipment must be de-energized and grounded.
- A switch or circuit breaker must be included in close proximity to the equipment and operator.
- All maintenance work must be performed by qualified professionals with formal training and experience in high voltage/current.

The following symbols can be found either in this document or on the product.

ELECTRIC HAZARD: Indicates information about procedures which must be followed to reduce the risk of electric shock and danger to personal health.

NOTE: Provides additional information before an action shall be taken by the user.

LEGAL NOTICE

This AcuPanel-EASI-3 quick setup guide provides informational and operational guidance regarding the use of the panel. While effort has been made to ensure the accuracy, reliability, and completeness of the information at the time of publication, Accuenergy assumes no responsibility for any errors, omissions, or misunderstandings in this document and reserves the right to modify its content at any time without prior notice.

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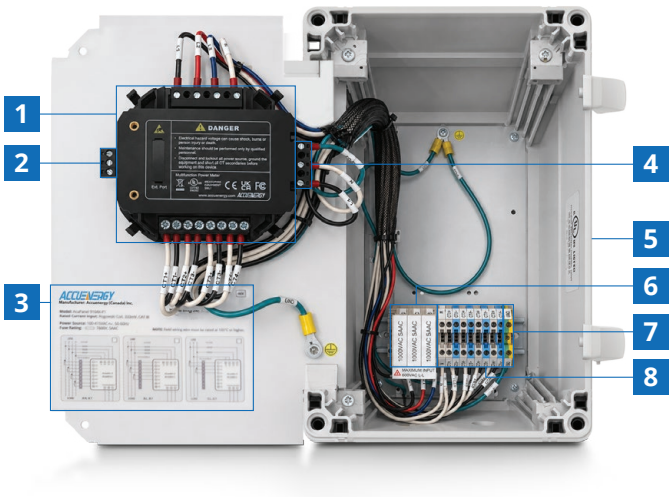
PACKAGE CONTENTS

NOTE Carefully open the packaging of the panel and do not use excessive force. Inspect all the contents of the package are not damaged before installing the panel.

- A AcuPanel-EASI-3 Subpanel
- B Acuvim CL Power Meter
- C Four Wall Mount Lugs and Screws
- D AK-03 Kit Includes Three Inline Fuses
- E Quick Setup Guide (Not Pictured)

SUBPANEL INTERNAL COMPONENTS

1. Acuvim CL Meter Rear View
2. RS485 Terminal
3. Wiring Configuration Label
4. Acuvim CL Power Supply Terminal
5. NEMA 4X Enclosure
6. Voltage Terminals
7. Ground Terminal
8. CT Terminals



INSTALLATION STEPS

- Installation of a subpanel involves hazardous voltages. The process must be performed by a qualified or licensed electrician.
- Before commencing the wiring or service of the subpanel, ensure to de-energize and lock out all the circuits.
- Short the secondary of the CT before disconnecting. Do not leave the secondary of the CT open on an energized conductor.
- Ensure the polarity of the CT aligns with the connected phase correctly.
- To reduce the risk of electric shock, always open or disconnect the circuit from the building power distribution system before installing or servicing current transformers.
- Verify the service is fully disconnected before making any voltage connections. Connect the common ground point of the AcuPanel-EASI-3 to the facility grounding system. Ensure proper protective earthing and compliance with electrical safety standards.

ELECTRICAL HAZARD

To commission the AcuPanel-EASI-3 at the installation location, follow the steps provided.

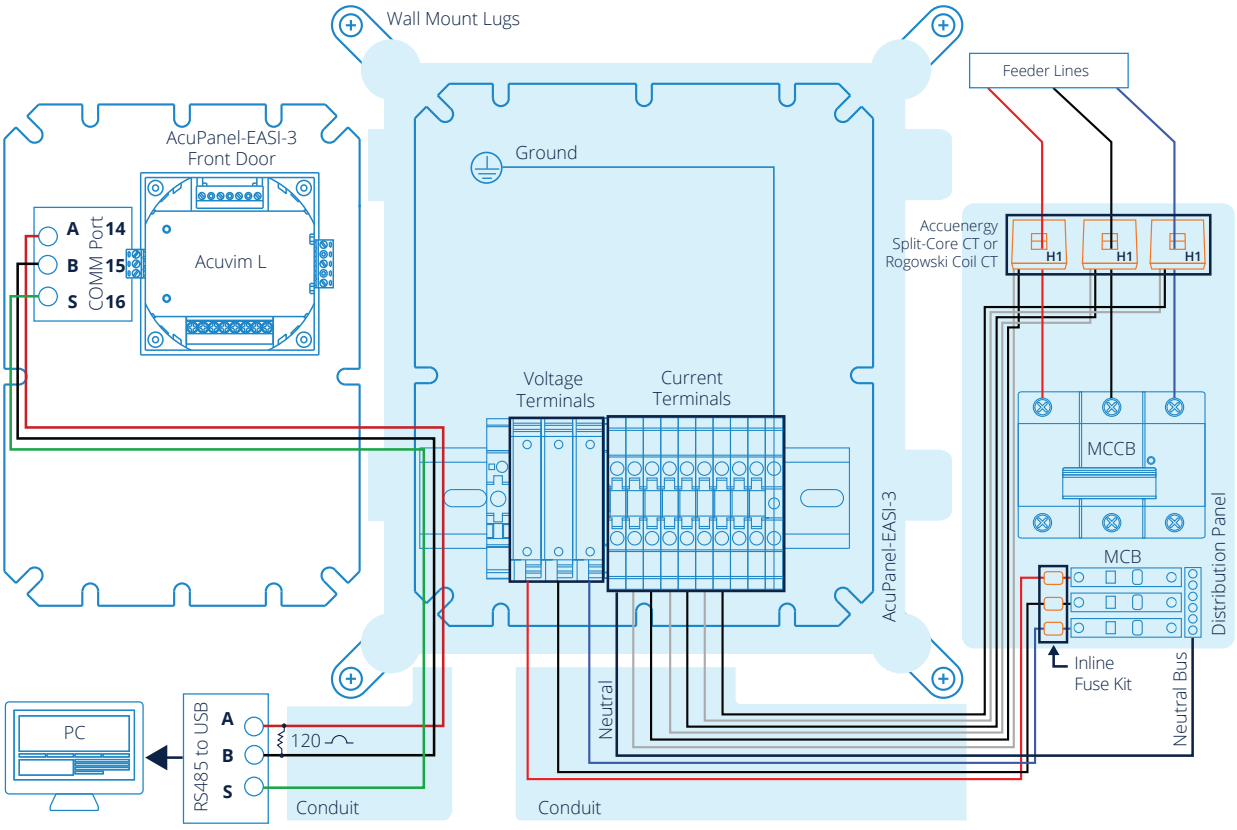
1. To vertically surface mount the AcuPanel-EASI-3, insert the four wall mount lugs into the four corner mounting holes at the rear of the subpanel enclosure. Secure the screws through the lugs onto the surface. Allow sufficient clearance for conduit and panel door swing.

2. Install conduit between the distribution panel and the AcuPanel-EASI-3. Route voltage leads, CT secondary cables, and communication wires through the conduit. Ensure that all wire sizes comply with local electrical codes.

3. Install the inline fuses on the A, B, and C leads for overcurrent protection. Connect voltage reference leads A, B, and C to the corresponding voltage terminals in the AcuPanel-EASI-3. Secure the N lead to the neutral bus in the distribution panel to ensure reliable return path and accurate voltage measurements.

4. Install Accuenergy split-core CTs or Rogowski coils on the feeder lines in the distribution panel. Ensure the polarity arrow or H1 label faces the source. Connect secondary leads to the designated push in current terminals CT1+, CT1-, CT2+, CT2-, CT3+ and CT3-. Verify the polarity of the CT connections to avoid inaccurate readings.

5. Use the RS485 port on the Acuvim CL meter to connect the A+, B-, and S terminals to set up communication. Terminate the connection with a 120Ω resistor to prevent noise interference and connect the system to a PC using an RS485 to USB adapter.



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EASI

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Choose the EASI Path to Energy Solutions

For more information, please refer to the AcuPanel-EASI-3 Installation Guide.

easi.accuenergy.com/easi-3-install-guide

Contact fieldservices@accuenergy.com **or** codehelp@accuenergy.com **for any additional queries.**

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Specs Subject To Change Without Notice.