

Choose the EASI Path to Energy Solutions



AcuPanel EASI Datasheet

Multi-Point Electrical Subpanel
Energy Code Compliance Metering



DESCRIPTION

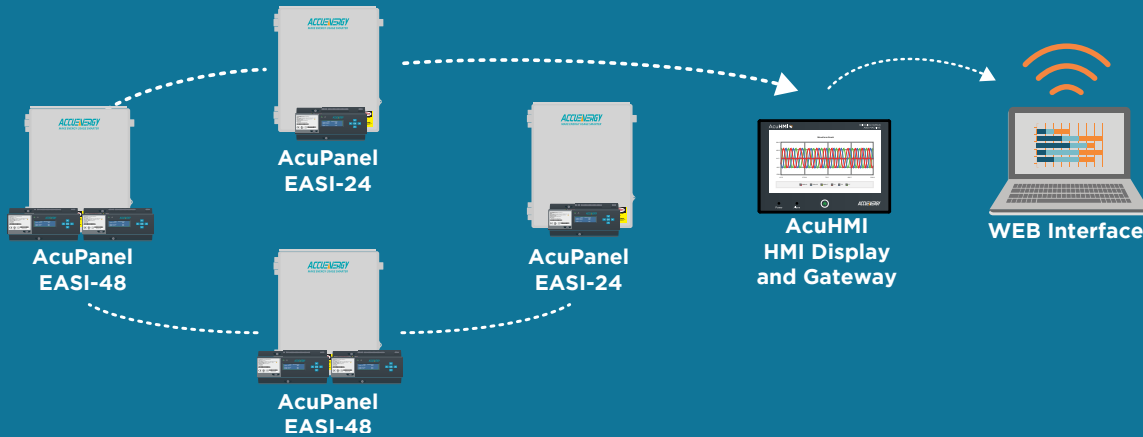
The AcuPanel EASI is an energy monitoring product line designed to support U.S. energy code compliance requirements. It integrates power metering and communication components into a single factory-assembled and tested solution, reducing on-site wiring, engineering effort and commissioning time. AcuPanel EASI provides reliable branch and feeder level energy monitoring in a standardized, ready-to-install platform for code-driven energy measurement applications.

KEY FEATURES

- Designed to support U.S. energy code compliance such as ASHRAE 90.1, IECC C406.10 and California Title 24.
- Multi channel configurations allow mixing and matching of single-phase, two-phase, and three-phase circuits for adaptable energy monitoring.
- Integrated meter provides revenue grade measurement accuracy compliant with ANSI C12.20 Class 0.2 for reliable energy data collection.
- Supports standard industry protocols for local or remote data access and integration with energy management systems, building management systems and cloud-based services such as AcuCloud, AWS IoT and other software platforms.
- Consistent and scalable metering solutions across projects, reducing variability and simplifying specifications for consulting engineers and contractors.
- Built in phase verification and configurable CT mapping allow wiring and CT direction corrections through software.
- Compact design for installation in commercial and industrial environments where space and accessibility are critical.
- Certified with UL508A and UL61010-1 ensuring compliance with industrial control panel safety and measurement equipment standards.

SYSTEM ARCHITECTURE

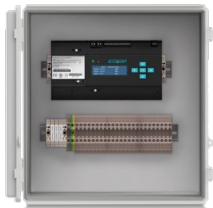
AcuPanel EASI is a modular, high density metering solution engineered for scalability with a streamlined SKU footprint. Factory assembled in a NEMA4X enclosure, it supports 3, 24 or 48 current inputs, reducing on-site wiring and installation error. The system supports RS485 or Ethernet communication for daisy chain networking into a centralized data logger. Data is stored locally and accessible through a free built-in Web Interface using any standard web browser.



AcuPanel-EASI-3

11.8" (L) x 7.8" (W) x 7.3" (D)

Designed for feeder and equipment level metering, this panel supports 1, 2 or 3-phase circuits across three current inputs. Connectivity includes dual Ethernet ports with RSTP bridging and a single RS485 port making it ideal for load tracking and monitoring systems for pumps and EV charging circuits.



AcuPanel-EASI-24

11.8" (L) x 11.8" (W) x 7.0" (D)

Designed for applications at small commercial buildings and mid-sized facilities, this panel supports mixed, 1, 2, and 3-phase circuits up to 24 current channels and a single voltage reference. Connectivity includes dual Ethernet ports and a single RS485 for integration. This configuration enables precise circuit monitoring ensuring full alignment with stringent energy codes.



AcuPanel-EASI-48

18.0" (L) x 14.0" (W) x 5.8" (D)

Enterprise level energy monitoring in large buildings and industrial facilities, this panel supports mixed 1, 2, and 3-phase circuits up to 48 current channels. Developed for high density circuits, it features labelled push in CT inputs, control power, dual meters with each meter supporting an independent voltage reference. Dual Ethernet ports and a single RS485 are available for connectivity for individual meters.



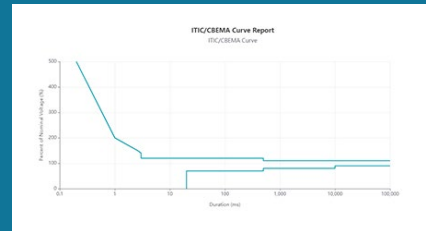
AcuHMI Human-Machine Interface & Gateway

12.0" (L) x 12.0" (W) x 7.0" (D)

Featuring a 7-inch touchscreen, this gateway panel provides centralized monitoring for devices across networks. Hardware includes 32GB of memory with configurable data and trend logging for analysis at user defined intervals. Connectivity with dual RS485 ports for Modbus RTU and BACnet MS/TP, along with dual Ethernet ports supporting Modbus TCP/IP, BACnet IP and MQTT. Optional AcuCloud and AWS IoT for external system scalability is available.

Web Interface Free Access

A built-in browser-based Web Interface provides real-time monitoring of electrical parameters and can be accessed remotely through a standard web browser. Free local data download and web access are included with no recurring software license to ensure ease of access and hassle-free connectivity.








Rogowski Coils and Current Transformers

Supports a broad range of Accuenergy current transformers from 5A to 5,000A including Rogowski coils, solid-core and split-core CTs allowing the AcuPanel EASI to be configured for diverse conductor sizes, current ranges and installation conditions encountered in energy code compliance applications.



As many as 32 meters at distance of 300 feet or less via Ethernet to HMI

ELECTRICAL SPECIFICATIONS

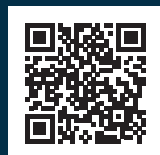
METERING SYSTEM	ACUPANEL-EASI-3	ACUPANEL-EASI-24	ACUPANEL-EASI-48
			
Meter	 Acuvim CL Multi-Function Meter	 AcuRev 4100 Multi-Channel Submeter	
Meter Configuration	Single Meter (3 Current Inputs)	Single Meter (24 Current Inputs)	Dual Meter (48 Current Inputs)
Measurement Accuracy	ANSI C12.20 Class 0.2, IEC 62053-22 Class 0.2S		
Circuit Type Support	Single Phase, Two Phase, Three Phase		
Wiring Configuration	1EL2W 2EL3W 3EL4W Y 3EL4W Network	1EL2W 2EL3W 3EL4W Y 2EL3W Δ (up to 480V) 3EL4W Network	1EL2W 2EL3W 3EL4W Y 2EL3W Δ (up to 480V) 3EL4W Network
VOLTAGE INPUTS			
Nominal Voltage Range	10-480VAC L-N	60-480VAC L-N, 60-830VAC L-L	
Voltage Reference Terminals	1	1	2
Frequency	45-65Hz	42.5-69Hz	
CURRENT INPUTS			
Number of Inputs	3	24	48
Supported CT Types	80mA, 100mA, 333mV, Rogowski Coil CTs		
CONTROL POWER			
Operating Voltage	Line Power, 100-480VAC		
Power Consumption	<6W		
Frequency	50/60Hz		
COMMUNICATIONS			
Ethernet Ports	-	2	4
RS485 Ports	1	1	2
Supported protocols	Modbus RTU, BACnet MS/TP	Modbus RTU, Modbus TCP/IP, BACnet MS/TP	
COMPLIANCE STANDARDS			
UL 508A UL 61010-1 IEC 61010-2-30 IEC 62052-31 IEC 62053-22 Class 0.2S ANSI C12.20 Class 0.2 CE			
ENVIRONMENTAL SPECIFICATIONS			
Enclosure Type	NEMA4X		
Rating	IP66		
Operating Temperature	-13 °F to +158 °F (-25 °C to +70 °C)		
Storage Temperature	-40°F to +185 °F (-40 °C to +85 °C)		
Humidity	0 % to 95 % RH		

ORDERING INFORMATION

METERS	
AcuPanel-EASI-24	NEMA4X enclosure for 1x AcuRev4110-MV meter (60-480VAC L-N), 3x fuse disconnect, 24x push-in terminal blocks. LCD display, Frequency range 42.5-69Hz, Current input via 333mV or Accuenergy Rogowski coils.
AcuPanel-EASI-48	NEMA4X enclosure for 2x AcuRev4110-MV meters (60-480VAC L-N), 2x fuse disconnect, 1x CT PCB. LCD display, Frequency range 42.5-69Hz, Current input via 333mV or Accuenergy Rogowski coils.
AcuPanel-EASI-3	Standard 9104X-P1 (100-415VAC) with L-N power connection for Acuvim CL meter. Nominal Voltage Range 10-480VAC L-N (120/208 VAC, 277/480 VAC) for 3- Phase 4-Wire (3P4W Wye) configuration. NEMA 4X rated polycarbonate panel pre-wired Acuvim CL-D-MV-P1V4. Multifunction power meter; LCD display; Frequency range 45-65Hz; Current input via 333mV or Accuenergy Rogowski coils.

CENTRALIZED DATA LOGGER AND GATEWAY DEVICE	
AcuPanel-EASI-HMI	AcuHMI, 7" touchscreen display and gateway module in 12x12x7 inch polycarbonate enclosure, 32GB on board memory, Dual Ethernet Ports, Dual RS485 ports.

CURRENT TRANSFORMERS	
AcuCT-H040-50:333MV	50A:333mV Hinged CT, 0.4" Window Diameter, UL Certified.
AcuCT-100R-100:333MV	100A:333mV Split Core CT, 1x1" Window Size, UL Certified.
AcuCT-100R-200:333MV	200A:333mV Split Core CT, 1x1" Window Size, UL Certified.
AcuCT-200R-400:333MV	400A:333mV Split Core CT, 2x2" Window Size, UL Certified.
RCT16-500	16" Long Rogowski Coil CT with 4" Window; UL Certified, Calibrated for 2.5A-600A.
RCT16-1000	16" Long Rogowski Coil CT with 4" Window; UL Certified, Calibrated for 5A-1200A.
RCT16-2500	16" Long Rogowski Coil CT with 4" Window; UL Certified, Calibrated for 12.5A-3000A.
RCT16-5000	16" Long Rogowski Coil CT with 4" Window; UL Certified, Calibrated for 25A-6000A.
RCT24-500	24" Long Rogowski Coil CT with 7" Window; UL Certified, Calibrated for 2.5A-600A.
RCT24-1000	24" Long Rogowski Coil CT with 7" Window; UL Certified, Calibrated for 5A-1200A.
RCT24-2500	24" Long Rogowski Coil CT with 7" Window; UL Certified, Calibrated for 12.5A-3000A.
RCT24-5000	24" Long Rogowski Coil CT with 7" Window; UL Certified, Calibrated for 25A-6000A.



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 Specs Subject To Change Without Notice.



ISO 9001, 14001
 & 45001 Certified



ISO 27001
 & 50001 Certified