

# Acuity APEX 40

## INTELLIGENT MONITORING FOR CARPORTS AND SMALLER C&I



### TOTAL VISIBILITY. DEEP PERFORMANCE INSIGHTS. SEAMLESS INTEGRATION.

The Acuity Advanced Performance Expert (APEX) product line empowers solar, storage, and microgrid operators with unmatched visibility and control across every asset. Built for rapid deployment and long-term reliability, the best-in-class tools in Acuity APEX monitor, analyze, and command every device across your system in real time. Plus, like all products powered by the Aderis Acuity™ operating platform, you own your data... from day one.

#### FOR SMALL COMMERCIAL / INDUSTRIAL & CARPORT SYSTEMS WITH UP TO 50 DEVICES OR 2MW

Monitor up to 50 devices	Elkor WattsOn Mark II metering w/ (3) 1200:5 solid core CTs
Real-time alarming and 1-minute archived data logging	5G cellular modem with customer-owned data
Integrate Acuity with your systems via built-in APIs	Customize to suit your exact requirements
MODBUS RTU and TCP/IP protocols (isolated)	Support public kiosk dashboard displays

### THE ACUITY DIFFERENCE

Behind every APEX system is Aderis Acuity – a powerful, flexible software platform that puts you in full control. Unlike other systems that limit access or lock down your data, Acuity gives you total ownership from day one. Custom dashboards, no-code integrations, and unlimited user accounts make it easy to keep your entire team informed and connected.

The Aderis Acuity platform is fully customizable – both in software and hardware – to meet the unique telemetry, control, and integration requirements of your project. **Contact us today** to configure your ideal solution.

# You get so much more with **Acuity APEX 40...**

## FEATURES YOU'LL LOVE!

### NOW YOU CAN MONITOR & CONTROL.

- Monitor up to 50 devices
- Lower operating costs with control for inverters & breakers with shunt trips and motor operators

### YOU OWN YOUR DATA FROM DAY ONE!

- Easily backup your data
- Integrate with your existing systems

### TOOLS YOU NEED TO SUCCEED.

- 16 hours of remote commissioning
- Unlimited user accounts

### NEVER LOSE CONNECTION.

- Stay connected with a ruggedized cellular modem that supports both 5G and 4G LTE networks.
- Data is still collected and store forwarded during cellular outages.

## TELEMETRY PACKAGE

The APEX 40 has a sensor suite that supports essential performance analysis and budgets for smaller installations.

### SENSOR SUITE



POA Irradiance Sensor  
IMT-Solar Silicon Reference Cell  
BOM Temp. Corrected (Class A)



Back of Module Temperature Sensor  
IMT-Solar Surface Temperature Sensor  
PT-1000 (Class A)

### NEED MORE?

Easily add digital sensors for the measurement of irradiance, air temperature, wind, precipitation, and soiling by visiting the Aderis ReStore today!

## SUPPORT RESOURCES

### INSTALLATION & COMMISSIONING

- Field Installation Guide
- EasyBus Sensor Connections

### GET STARTED NOW, FOR FREE!

- Create your account in FOCUS.
- Configure your facility for Free.

### LEARN HOW TO...

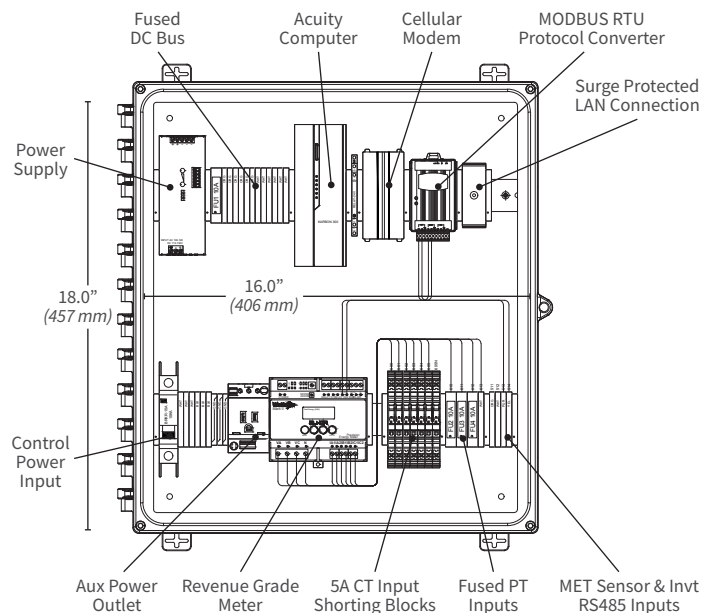
- Monitor your facility in Acuity.
- Manage your portfolio in FOCUS.



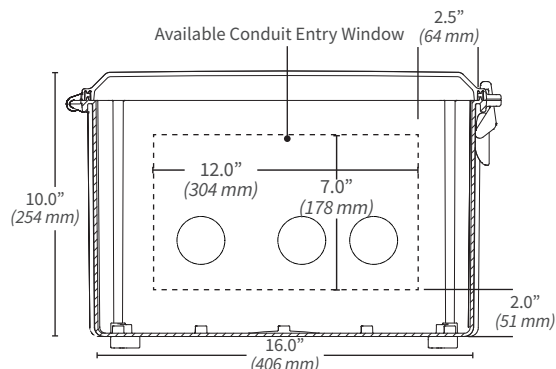
SCAN HERE to access all Acuity APEX Support Resources!

## CONTROLS ENCLOSURE SCHEMATIC

### FRONT VIEW - MAJOR COMPONENTS



### BOTTOM VIEW - CONDUIT PLANNING



THE CONTROLS ENCLOSURE IS NOT PRE-DRILLED FOR ANY CONDUIT ENTRIES. Actual conduit size, qty, and locations are determined at the discretion of the installer.

All sensors use Aderis EasyBus™ pre-terminated connectors for simplified installation.



SCAN TO LEARN MORE.

- Faster installation
- Eliminates wiring errors
- Simplified ownership

## CAPABILITIES

# of DEVICES	Up to 50
COMMS. PROTOCOLS	MODBUS RTU and TCP/IP (Isolated)
DATA INTERVAL	Real-time Display & Alarms, 1-Minute Archiving
DATA SHARING	CSV via Email & SFTP, RESTful JSON API, OPC UA
METERING	Elkor WattsOn Mark II 0.1% Acc. Up to 397V LN Fused PT Inputs, 5A CT Shorting Blocks Incl. (3) 1200:5 Solid Core CTs (2.24" Opening)

## TECHNICAL SPECIFICATIONS

UL RATING	UL 508a, TYPE 4X
ENCLOSURE SIZE & WEIGHT	18h x 16w x 10d in. (457 x 406 x 254 mm) 25 lbs (12 kg)
CONTROL POWER	1-Phs, 120 - 277V, 3A Max
OPERATING TEMP.	-25°C to 70°C