

Acuity APEX 60

PURPOSE BUILT FOR LARGE C&I & COMMUNITY SOLAR PROJECTS



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 COMMERCIAL / INDUSTRIAL & GROUND MOUNT SYSTEMS WITH UP TO 500 DEVICES OR 10MW

Monitor and control up to 500 devices

Real-time alarming and 1-minute archived data logging

Integrate Acuity with your systems via built-in APIs

MODBUS RTU and TCP/IP, DNP3, and OPC-UA protocols

AcuVIM II revenue grade metering, 5A CT compatible

5G cellular modem with customer-owned data

Alarming for transformer digital contacts

UPS managed battery backup

Customize to suit your exact requirements

Upgrade for power plant control (PPC) and EMS storage

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.

For more information: aderisenergy.com | (470) 387-9011 | sales@aderisenergy.com

You get so much more with **Acuity APEX 60...**

FEATURES YOU'LL LOVE!

NOW YOU CAN MONITOR & CONTROL.

- Monitor up to 500 devices
- Lower operating costs with control for inverters, trackers, and reclosers

YOU OWN YOUR DATA FROM DAY ONE!

- Easily backup your data
- Integrate with your existing systems

TOOLS YOU NEED TO SUCCEED.

- 24 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 60 has a sensor suite that supports performance analysis and pro-forma model comparisons.

SENSOR SUITE



GHI Irradiance Sensor
Hukseflux SR30 Pyrometer (Class A)
Heated & Ventilated



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



Back of Module Temperature Sensor
Campbell Scientific CS241DM
PT-1000 (Class A)



Air Temperature Sensor
IMT-Solar Ambient Air Temperature
PT-1000 (Class A)



Transformer Alarming Contacts
Five 24V Wetted Digital Inputs
*Oil Low, Oil Temp. High, Oil Temp. High-High
Oil Pressure High, Oil Vacuum High*

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...

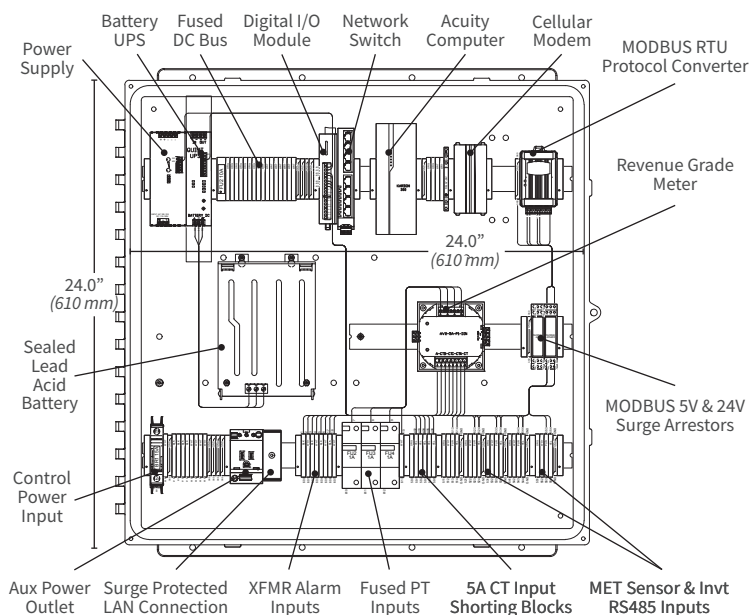
- Monitor your facility in Acuity.
- Manage your portfolio in FOCUS.



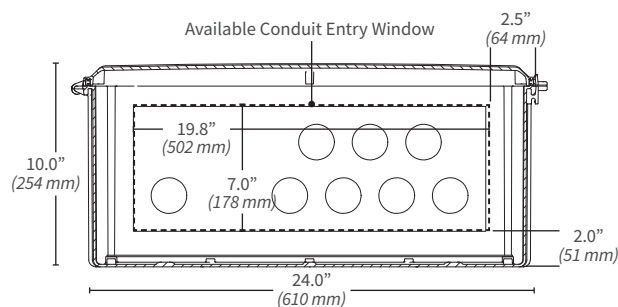
SCAN HERE to access
all Acuity APEX
Support Resources!

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 500
COMMS. PROTOCOLS	MODBUS RTU and TCP/IP, OPC UA, DNP3
DATA INTERVAL	Real-time Display & Alarms, 1-Minute Archiving
DATA SHARING	CSV via Email & SFTP, RESTful JSON API, OPC UA
METERING	Revenue Grade 0.2% Acc. AcuVIM II Up to 397V LN Fused PT Inputs, 5A CT Shorting Blocks <i>PTs and CTs by Customer</i>

TECHNICAL SPECIFICATIONS

UL RATING	UL 508a, TYPE 4X
ENCLOSURE SIZE & WEIGHT	24h x 24w x 10d in. (610 x 610 x 254 mm) 35 lbs (16 kg)
CONTROL POWER	1-Phs, 120 - 277V, 3A Max
BATTERY BACKUP	7Ah, Approximately 4-Hour Runtime
OPERATING TEMP.	-25°C to 70°C