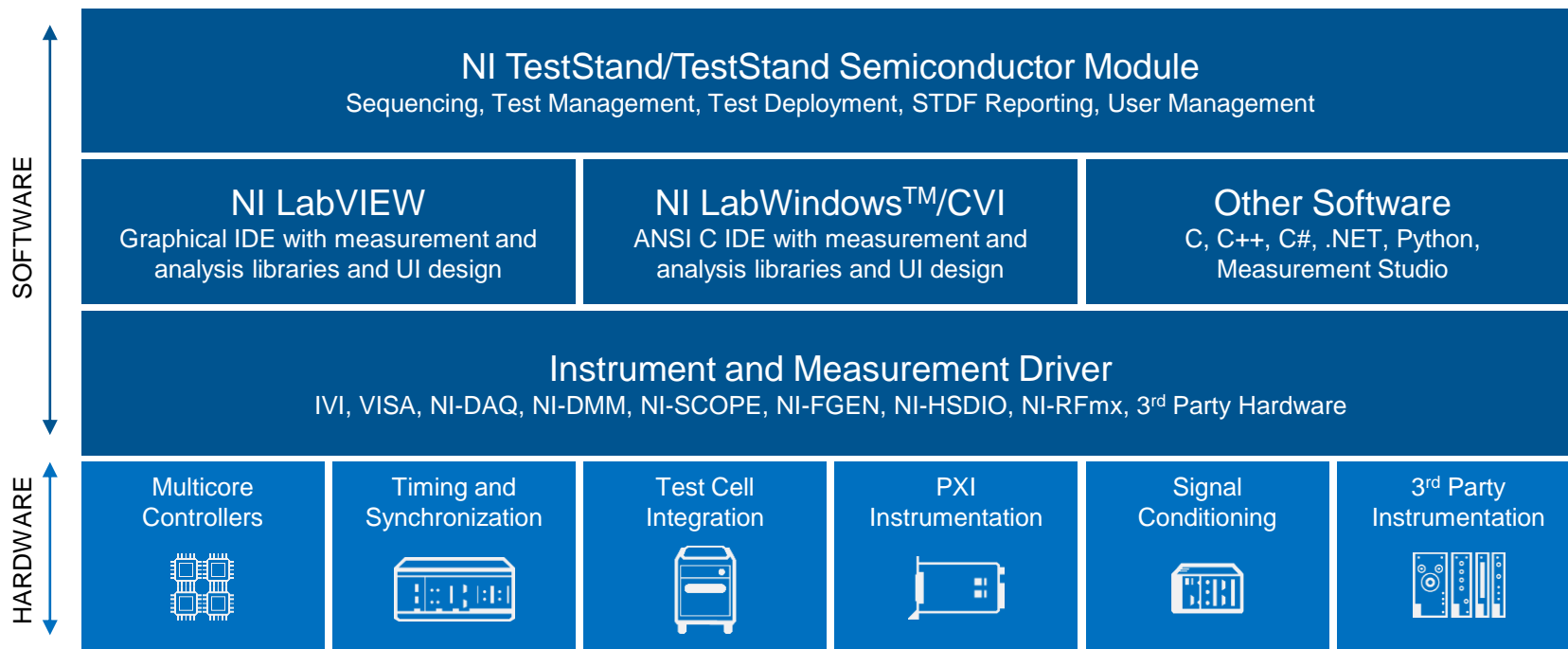




Introducing the NI ATE Core Configurations

Architecture of an Automated Test System



ATE Systems Require More than Instrumentation

Service / Maintenance

Turn-key
Software

Test Fixtures

Instrumentation Test Adapter

Mass Interconnects

Application-Specific Components

DC Power Supplies

PXI Instrumentation and
Drivers

Instrumentation
Switching

Test Management
Software

Application Development
Software

Instrumentation & Software Tools

19" Rack

Rack Accessories

Power Distribution &
Conditioning

Safety / Emergency Power
Off

Display / HMI

Test System Infrastructure



NI ATE Core Configurations

Core mechanical, power, and safety infrastructure for a test system

Faster development – *standardized starting point for test system design*

Fully customizable – *using the PXI Advisor system configurator*

Simplified procurement – *simplified BOM and vendor management*

Expedited delivery – *delivered in days, not weeks or months*

Simplified global deployments - *IEC 61010 safety certified configurations*

Looking for a turn-key solution?

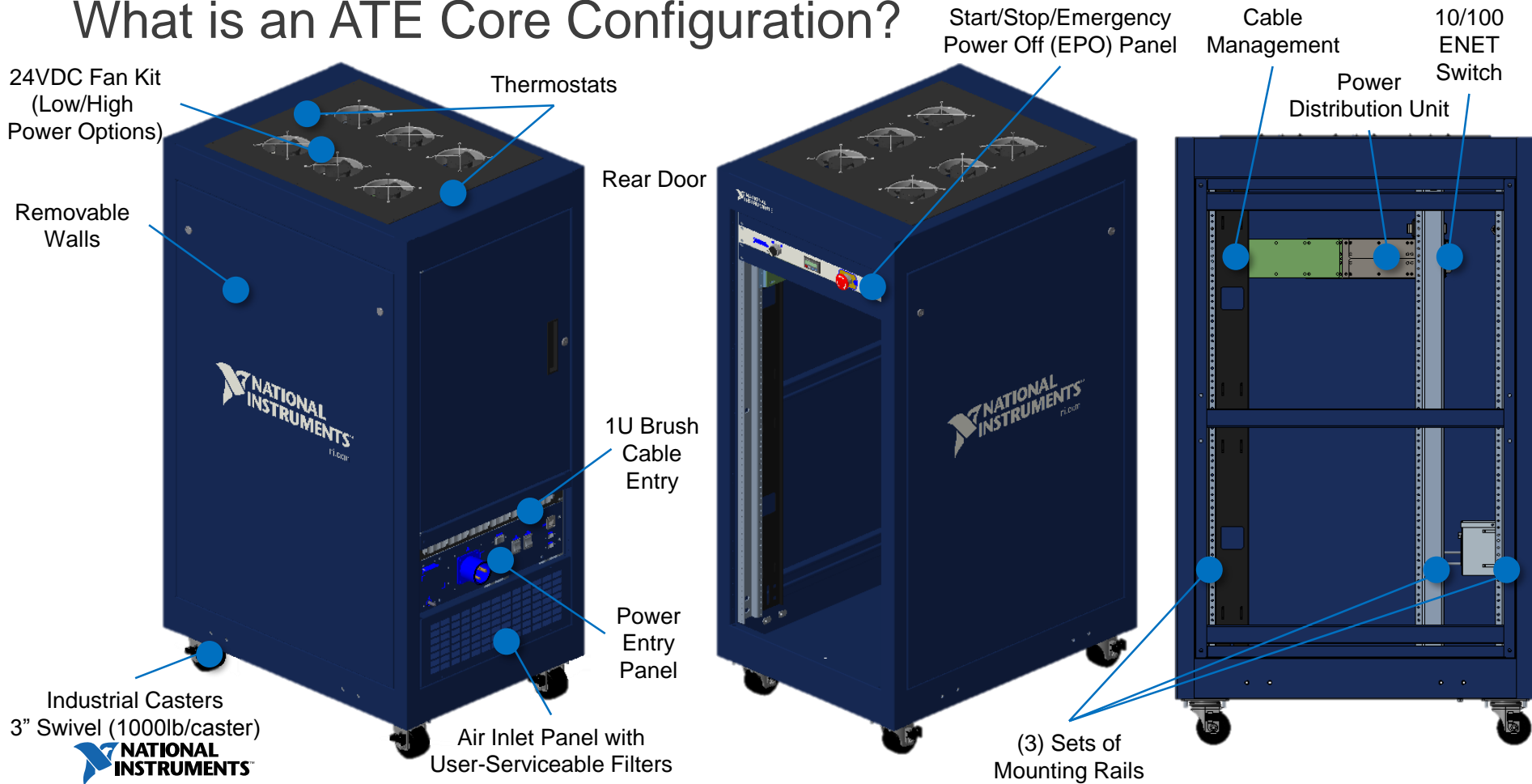
NI has over 1,000 Alliance Partners ready to help.

<http://www.ni.com/alliance/>

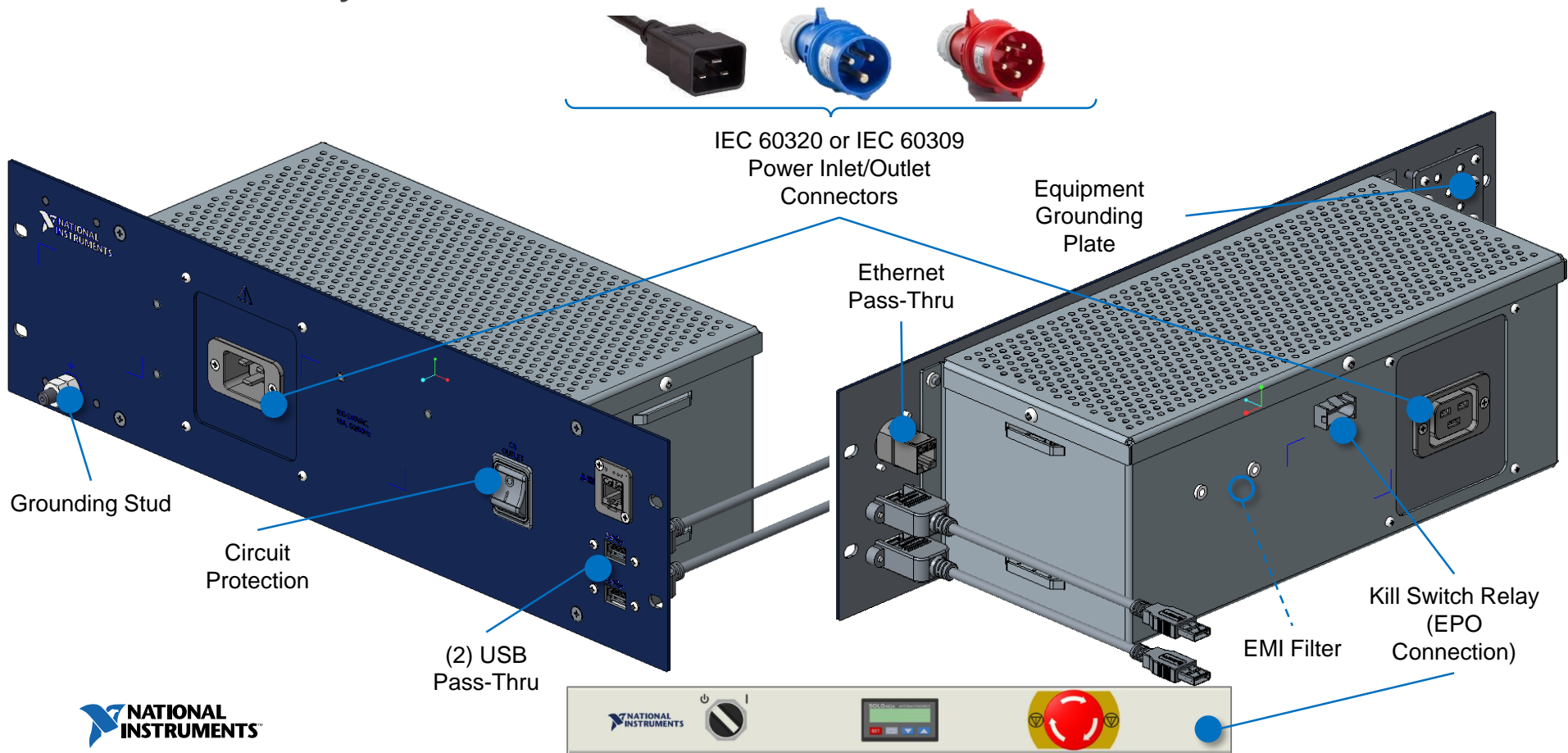


(Configured System)

What is an ATE Core Configuration?

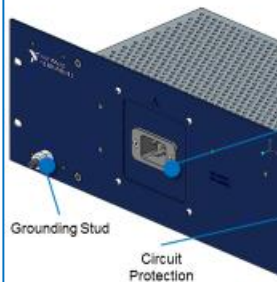


Power Entry Panels



Serviceable Components and Spares

Power Entry Panels



**NATIONAL
INSTRUMENTS**

Uninterruptible Power Supplies

- Region-specific models with global coverage (110-120V, 220-240V)
 - Double-conversion (vs. line interactive)
 - High density – up to 2kW
 - Emergency Power Off (EPO)
- ## Power Distribution Units



**NATIONAL
INSTRUMENTS**

Power Distribution Units

- Globally supported (IEC | 100-240V / 200-208V / 380-415V)
- Multiple power options (300W / 600W / 1200W)
- Time-Delayed power bank
- Emergency Power Off (EPO)
- Integrated DC power for r



**NATIONAL
INSTRUMENTS**

NI RMX-412x Rack Mount kW Programmable DC Power Supplies

- Flexible I-V Ranges (up to 650 V or 150 A)
- USB, LAN, RS232, and analog control available
- 1U Full-Rack
- Included Calibration Software Utility



Model	Part Number	Description	USD	Euro	Yen
RMX-4120	784761-01	RMX-4120 1U DC power supply, full rack width, 750W, 0 to 30VDC, 0 to 75A	\$2,350	€ 2,290	¥ 294,000
RMX-4121	784762-01	RMX-4121 1U DC power supply, full rack width, 750W, 0 to 80VDC, 0 to 28A	\$2,350	€ 2,290	¥ 294,000
RMX-4122	784763-01	RMX-4122 1U DC power supply, full rack width, 750W, 0 to 230VDC, 0 to 16A	\$2,350	€ 2,290	¥ 294,000
RMX-4123	784764-01	RMX-4123 1U DC power supply, full rack width, 750W, 0 to 650VDC, 0 to 3.5 A	\$2,350	€ 2,290	¥ 294,000
RMX-4124	784765-01	RMX-4124 1U DC power supply, full rack width, 1500W, 0 to 30VDC, 0 to 150A	\$2,995	€ 2,880	¥ 374,000
RMX-4125	784766-01	RMX-4125 1U DC power supply, full rack width, 1500W, 0 to 80VDC, 0 to 26A	\$2,995	€ 2,880	¥ 374,000
RMX-4126	784767-01	RMX-4126 1U DC power supply, full rack width, 1500W, 0 to 230VDC, 0 to 50A	\$2,995	€ 2,880	¥ 374,000
RMX-4127	784768-01	RMX-4127 1U DC power supply, full rack width, 1500W, 0 to 650VDC, 0 to 7A	\$2,995	€ 2,880	¥ 374,000



**NATIONAL
INSTRUMENTS™**



NATIONAL
INSTRUMENTS

ATE Core Configuration Options



1-Phase, 16A



1-Phase, 24A



3-Phase, 16A

24U

1-Phase
(16A)

[100-240V]

24U

1-Phase
(24A)

[200-240V]

24U

3-Phase
Delta
(16A)

[200-208V]

24U

3-Phase
Wye
(16A)

[380-415V]

40U

1-Phase
(16A)

[100-240V]

40U

1-Phase
(24A)

[200-240V]

40U

3-Phase
Delta
(16A)

[200-208V]

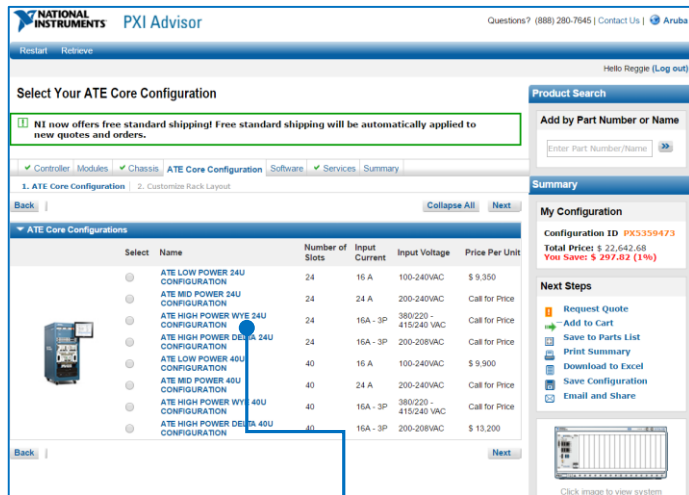
40U

3-Phase
Wye
(16A)

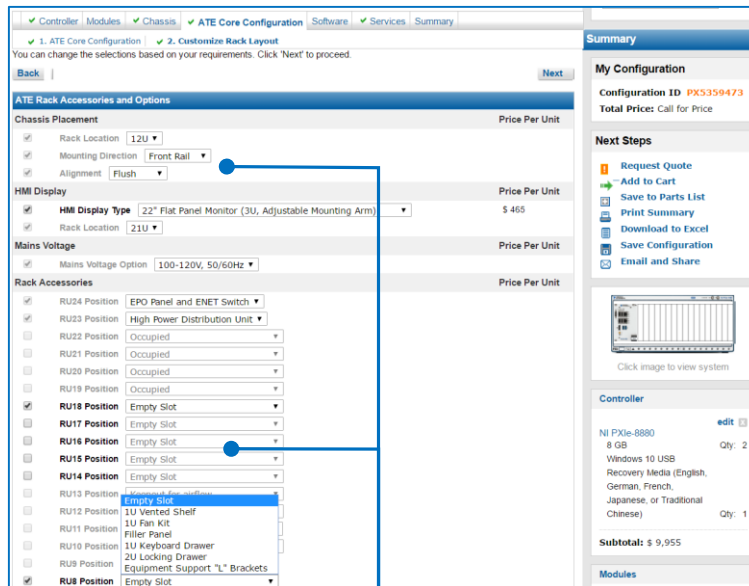
[380-415V]

Configuring Systems Using the PXI Advisor

Coming
Soon



(x8) ATE Core Configuration Selection



Customizing Instrumentation

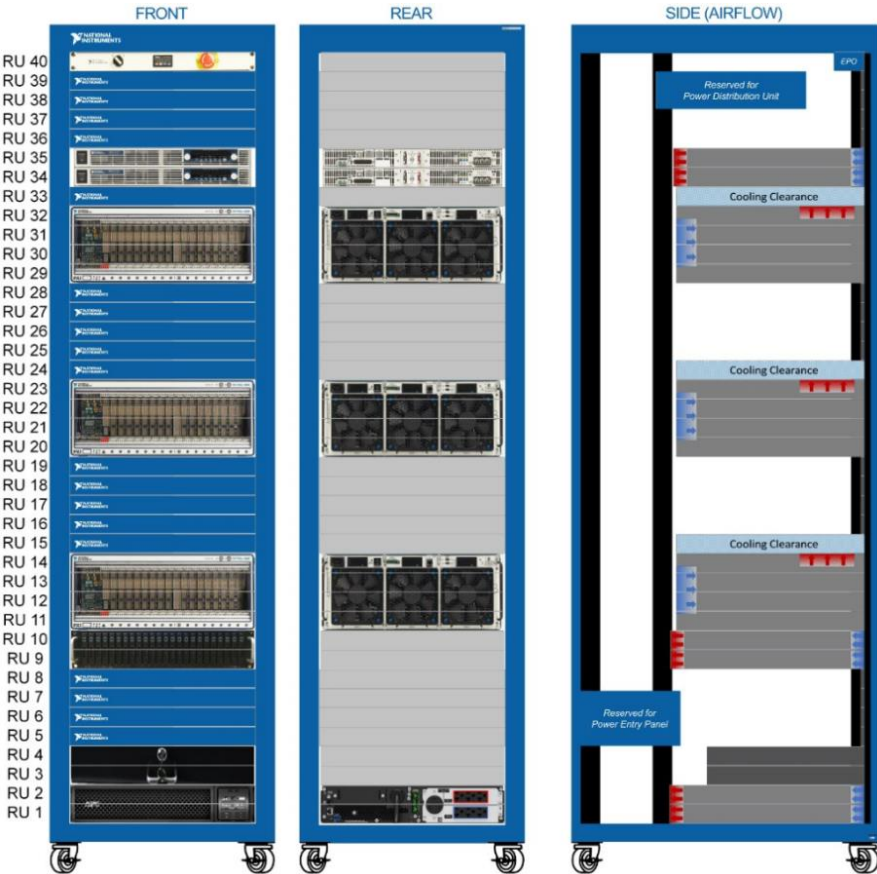
- Choose rack location / orientation
- Multi-Chassis/Platform support (cDAQ, SLSC, PXI)

Customizing Accessories

- Choose rack location / orientation
- Drawers, Shelves, Terminal Blocks, etc...



Coming
Soon



ATE Core Configuration System Report

PXI Configuration ID: PX4630282

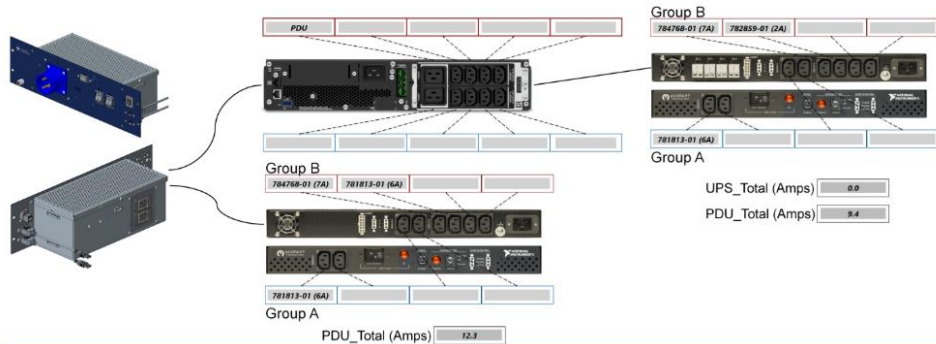
Weight: 297 Kg

PDU Output Voltage: 240 VAC

Dimensions: W (mm) D (mm) H (mm)
584 800 2071

Power Connection Diagram

PDU DC Connections 12V 24V 24V 48V



Power Budget Warnings: *Power budget based on 65% of max load at mains voltage. Actual usage will vary based on utilization and load. For further information on power budgeting, visit ni.com/automatedtestguides

<No Warnings>

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(Configured System)