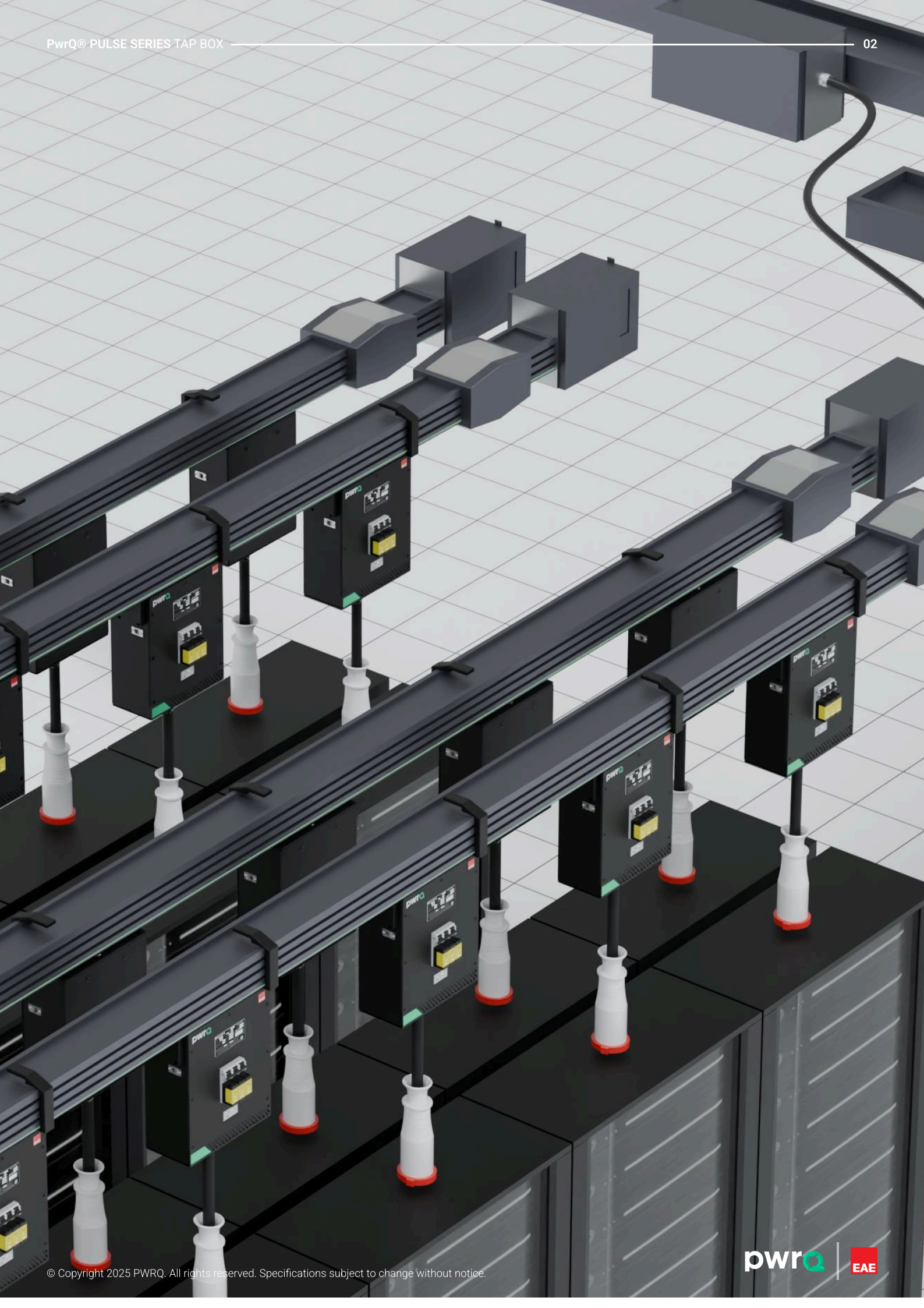# pwrq

Tap Box Plug-in Unit

Remote Monitoring & Distribution with EAE E-line KD III Data Rack Busway

PwrQ® Pulse Series

EAE

PwrQ Pulse Series Tap Box Plug-In Unit

Easily install and secure the Pulse Series tap boxes only with EAE's E-Line KD Data Rack Busway system for advanced monitoring and power distribution throughout your data hall. Built to quick-connect with EAE's Data Rack, installation is seamless and safe. Multiple remote monitoring options also gives you the ability to maximize your visibility into each circuit.

Modular Latch Assembly

13.25" in

12" in

Busway Bracing Hangar

Rotary Busway Stab Mechanism

Communication Port

Overcurrent Protection Device

Corded Pin and Sleeve Receptacle (Multiple Options)

5" in

Technical Specifications

Category	Specifications
Input Phasing Available	3P3W | 3P4W | 3P5W (L1, L2, L3, N, G) | 3P6W (L1, L2, L3, 2×N, G)
Input Voltages Available	208/120 VAC | 415/240 VAC | 480/277 VAC
Amperage	15A - 125A
Frequency	60Hz
Standard Connections	L1, L2, L3, N, G
Connectors	Single Drop | Double Drop | Single Receptacle | Double Receptacle
Bussing	Copper (Silver Plated)
Max Available Fault Current	Up to 65 kAIC
Ground Bussing	100% Isolated Ground | 50% Chassis Ground
Neutral Rating	100% | 200%
Overcurrent Protection Device	
• ABB Breaker	XT Frame
• EATON Breaker	PDG Frame
• Schneider Breaker	B Frame
• Bussmann Cube Fuse	CCP2 Series
Power Monitoring Capabilities	
Data Protocols	Modbus TCP / IP (Ethernet) ; Modbus RTU (RS-485 2 wire) ; HTML (Web Server)
Modbus Serial Specifications	9600, 19200, 38400 Baud (Selectable)
USB Port	USB 2.0 Type A
Web Server	HTML via Standard Web Browser
Wifi Option	802.11g/n ; Requires Wifi Option
Cellular Option	CAT1 / CAT M1 ; Requires Subscription
Accuracy	0.50 %
Sampling Rate	> 3 kHz
Ethernet Ports	2 x RJ-45 10/100 Mbit
Options	
100% | 80% | Auxiliary | Shunt Trips | SPD | Bell Alarms | Isolated Ground | Infrared Window	
The Pulse Series offers:	

• Revenue grade metering accuracy
• Monitor multiple circuit configurations
• End feed, single branch, and dual-branch feed plug in units
• Optional integral HMI available

• Wired Ethernet and serial communications
• SNMP, Modbus TCP/IP, BACnet TCP/IP, HTTP(S), Telnet, and SSH are all standard Ethernet Prot
• Daisy-chain Ethernet available

Standard Configurations

Tap Box (Plug-in Unit)

Digit	Category	Specifications										
1	Model Prefix	**TB** Tapbox	-	-	-	-	-	-	-	-	-	-
2	Wire	**3** 3W	**4** 4W	**5** 5W	**6** 6W	-	-	-	-	-	-	-
3	Overcurrent Protection Device	**AB** ABB	**ET** Eaton	**SC** Schneider Electric	**BS** Bussmann	-	-	-	-	-	-	-
4	Amp Rating	**15** 15 Amp	**20** 20 Amp	**30** 30 Amp	**40** 40 AMP	**50** 50 AMP	**60** 60 AMP	**70** 70 AMP	**80** 80 AMP	**90** 90 AMP	**100** 100 AMP	**125** 125 AMP
5	Pole	**1** 1 Pole	**2** 2 Pole	**3** 3 Pole	-	-	-	-	-	-	-	-
6	Metering	**Y** Yes	**N** No	-	-	-	-	-	-	-	-	-
7	Configuration	**SCB** Single Circuit Breaker	**TCB** Twin Circuit Breaker	**SFU** Single Fuse Unit	**TFU** Twin Fuse Unit	-	-	-	-	-	-	-
8	Whip/Recp	**W** Whip	**R** Receptacle	-	-	-	-	-	-	-	-	-

Note: Whip Length: 4' standard | Connector: IP44 standard, IP67 optional

Part number example (**TB-4W-AB-30-3P-N-SCB-R**)

TB	4	AB	30	3P	N	SCB	R

1 Tap Box
2 4W
3 ABB
4 30 AMP
5 3 Pole
6 No Metering
7 Single Circuit Breaker
8 Receptacle
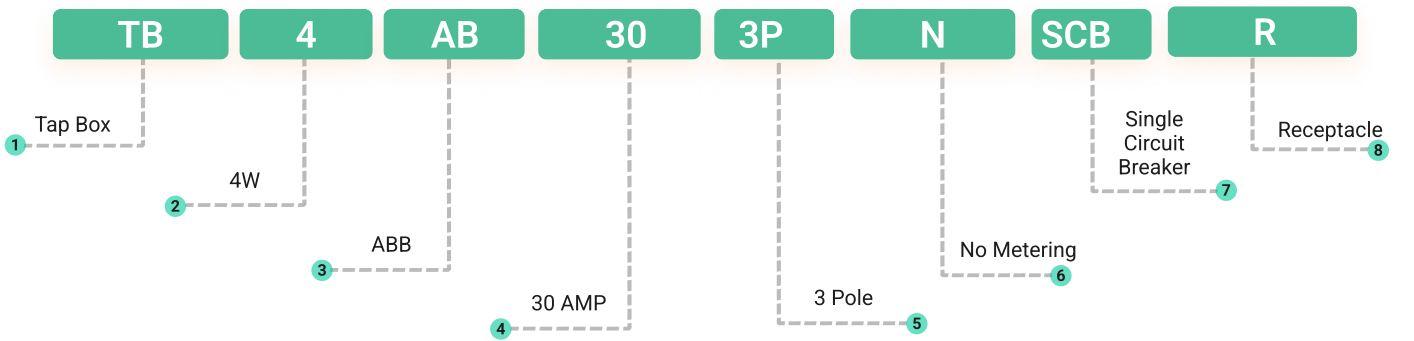
Tap Box | Common Configurations

NEMA Twist Lock   IEC 60309 (Twin Drop Cord)   IEC 60309 (Single Drop Cord)   IEC 60309 (Bottom Mount Receptacle)

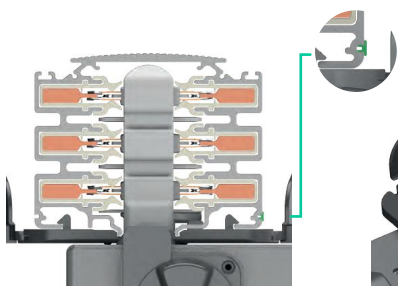pwrq | EAE

Manufactured in the USA
Compliant with the latest NEC & UL standards.

01 Customizable power ratings from 15A to 125A with multiple configurable options

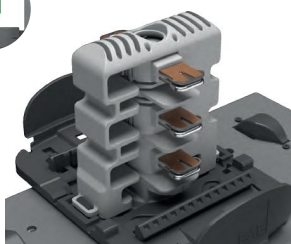**02** Broad compatibility with major brands: ABB, EATON, Schneider, and Bussmann

03 Designed to meet UL857 and CSA standards

04 Plug and Play; takes only seconds to install on busway

Plug-n-Play
Easy plug-in Tapboxes on any point along the BUSWAY, remove and relocate wherever necessary

Tap-Off Contacts
Constant contact pressure with double sided spring system and safe locking mechanism on Tapbox contacts

⚡ QUICK CONNECT MECHANISM
The tapbox is designed with a quick-connect, tool-free mechanism that allows for fast and secure installation onto the EAE KD-Line busway. Simply slide the tapbox into the slot, rotate it into position, and it locks in place. The unit remains secured until the interlock mechanism is turned, at which point the electrical connection is safely established.

〜 MODBUS WIRED METERING
Engineered for data centers and the growing demand for energy efficiency, PwrQ tapboxes can be equipped with integrated energy metering to enable accurate monitoring of three-phase electrical loads. Dual RJ-45 ports support Ethernet daisy chaining and simplify network integration.

⚙ VENDOR-NEUTRAL DESIGN
PwrQ tapboxes feature a vendor-neutral design, allowing flexibility in the selection of protection devices and connectors. Breakers or fuses can be picked from ABB, Schneider Electric, Eaton, or Bussmann. Connector whips and receptacles are configurable with compatibility for Walther, Hubbell, Leviton, and others.
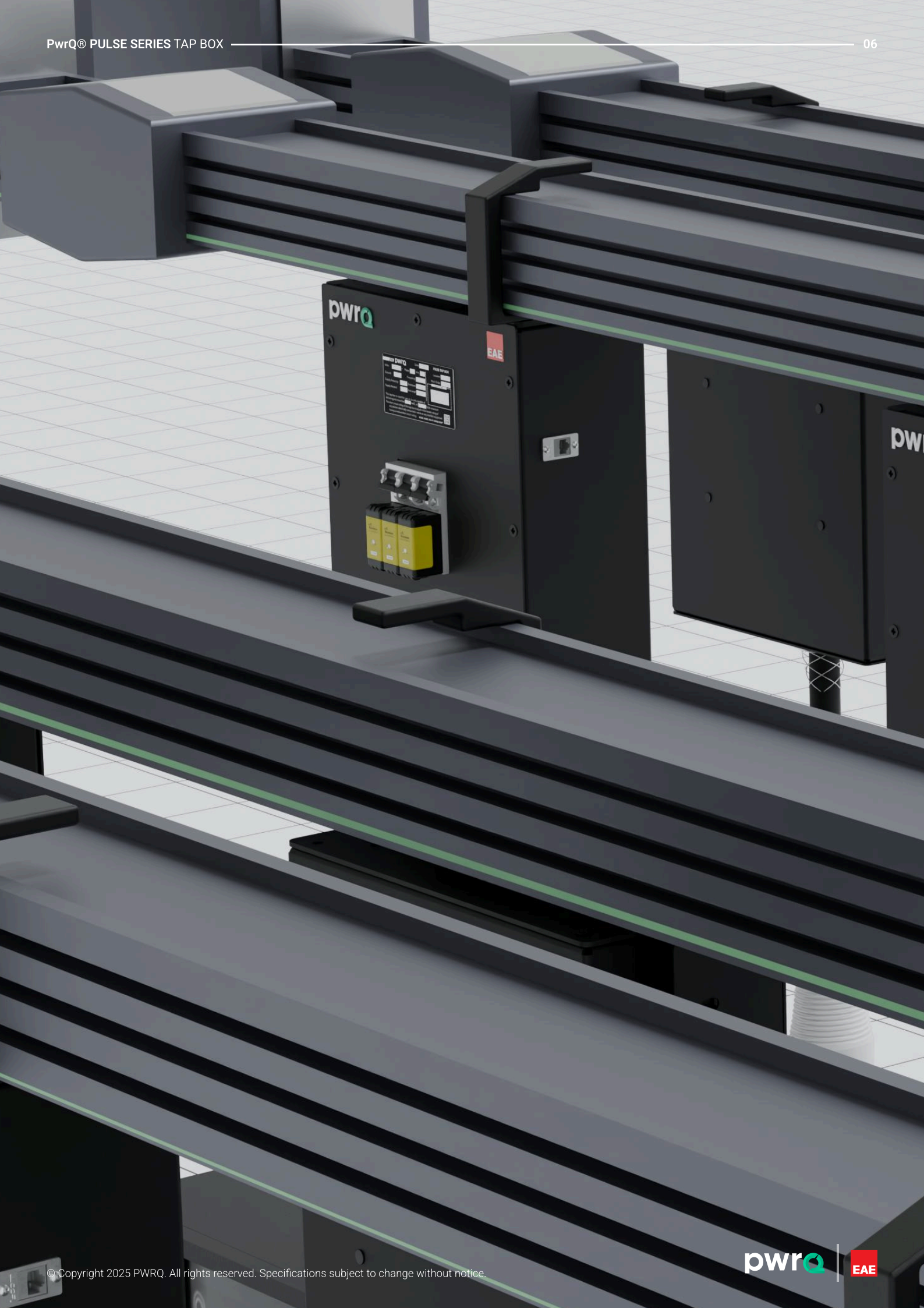
Service Offerings

Overview

PwrQ delivers comprehensive field service and support across the full electrical power distribution system—from medium voltage utility entrances to low voltage distribution at the rack. Our service organization exists to extend the performance, reliability, and safety of the systems we engineer and manufacture, while minimizing downtime and execution risk for our customers.

With deep expertise in transformers, medium and low voltage switchgear, integrated power skids, UPS systems, busway and control architectures, our service teams are trained to work across product lines and at every stage of the system lifecycle. Whether supporting new equipment startup, commissioning complex assemblies, responding to site emergencies, or modernizing aging infrastructure, PwrQ technicians deliver technically precise, safety-driven execution under real-world operating conditions.
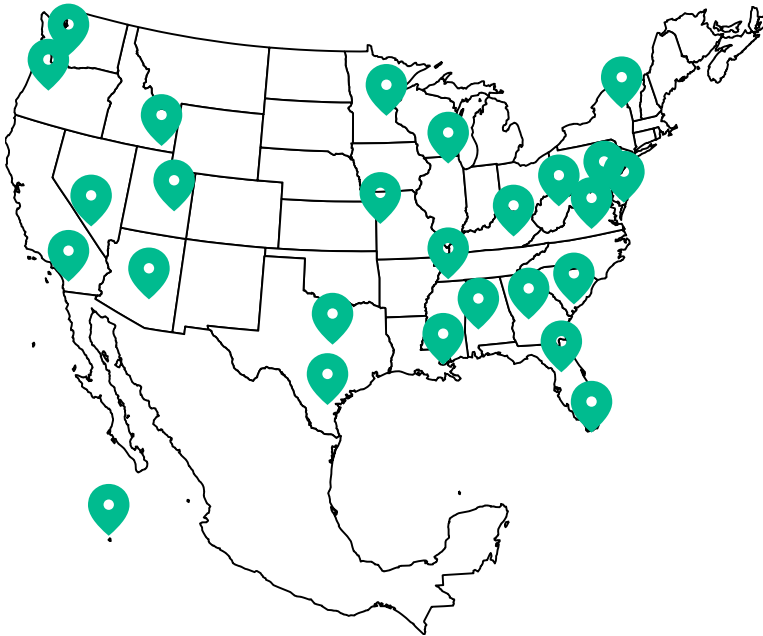
With national reach and strategically positioned resources, PwrQ ensures that our customers are never far from knowledgeable, responsive field support—regardless of equipment type, voltage class, or application.

We Offer A Range Of Services Including:

- Startup & Commissioning of integrated systems and assemblies
- Emergency Response for critical outages and unplanned downtime
- Preventive & Predictive Maintenance programs tailored to customer environments
- System Modernization & Retrofits for legacy equipment upgrades
- On-Site Testing & Diagnostics for transformers, switchgear, busway, and power skids
- Operator Training & Documentation Support to improve system ownership and uptime

pwrq | **EAE**