PEDOC
POWER SOLUTIONS

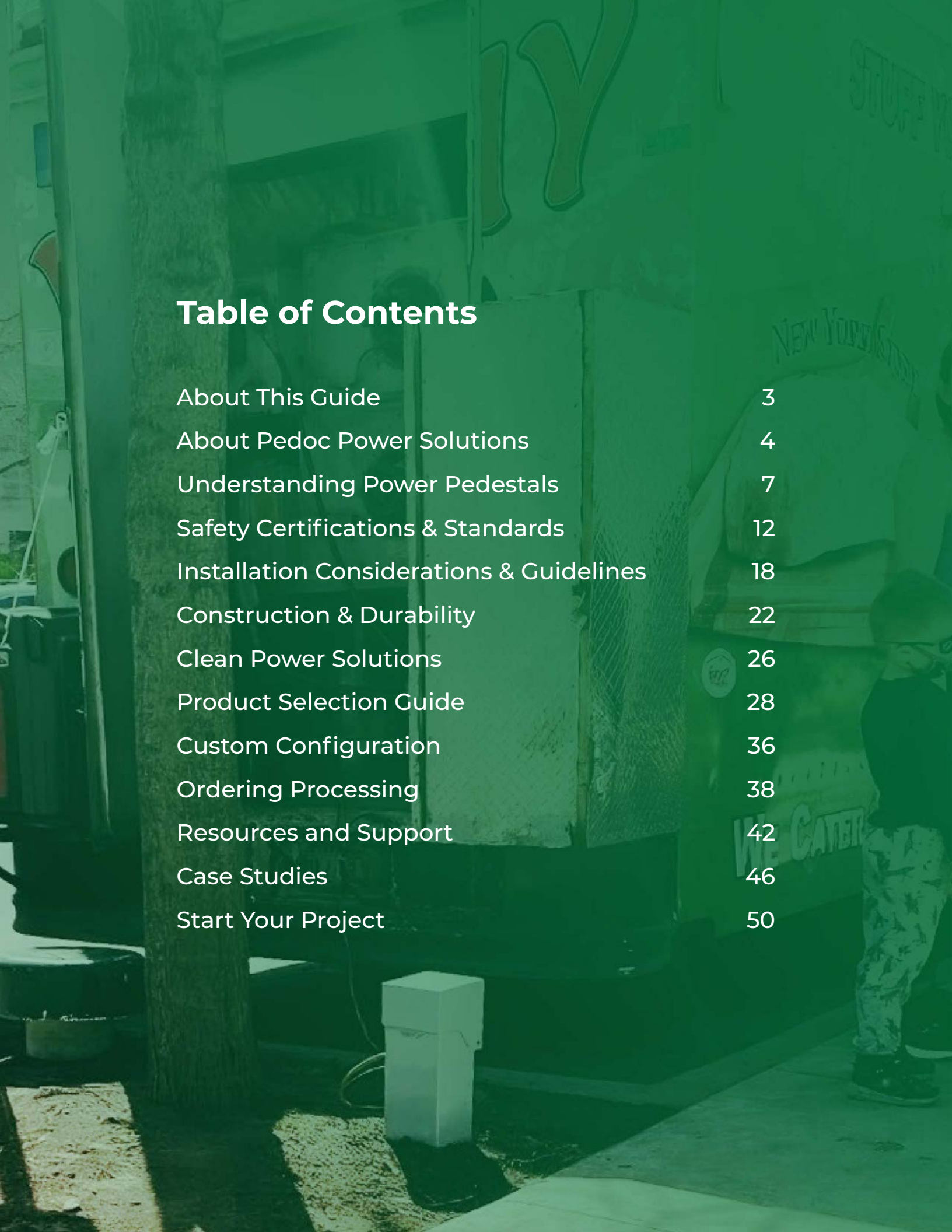
THE OFFICIAL

OUTDOOR POWER PEDESTAL

BUYER'S GUIDE

EVERY DAY, we rely on outdoor electrical power for everything from charging phones in public spaces to powering food trucks at festivals. But outdoor electrical access comes with unique challenges - weather exposure, safety concerns, and aesthetic considerations.

THAT'S WHERE POWER PEDESTALS COME IN.



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About This Guide

This comprehensive guide will help you understand, select, and implement the right power pedestal solution. Whether you're a first-time specifier, buyer, or an experienced contractor, you'll find valuable information about safety requirements, installation considerations, and best practices for outdoor power distribution.

Who Should Use This Guide

- **Property Developers** planning infrastructure
- **Facility Managers** overseeing maintenance
- **Electrical Contractors** handling installations
- **Electrical Distributors** providing solutions to their customers
- **Landscape Architects and Engineers** designing outdoor spaces
- **Municipal Planners** developing public areas
- **Event Coordinators** managing outdoor venues

About Pedoc Power Solutions

Since the early 2000s, Pedoc Power Solutions has been manufacturing high-quality power pedestals in Mount Prospect, Illinois. As a family-owned American manufacturer, we combine decades of metal fabrication expertise with innovative design to create power pedestals that set the industry standard for quality and reliability.

Our journey began with a master electrician's vision to create better outdoor power solutions. Partnering with Marcres Metalwerks, which brought over 45 years of metal fabrication expertise, we developed innovative power pedestals that address common challenges in outdoor power distribution. Today, Pedoc Power Solutions is the leading manufacturer of durable landscape power pedestals, trusted by major institutions including Google, Ritz Carlton, and numerous universities and municipalities across North America.

What Sets Us Apart:

- 100% USA-based manufacturing and support team
- UL certification to Standard 1773
- NEMA 3R rated for outdoor use
- Heavy-gauge welded stainless steel construction
- Rigorous quality control with quarterly UL audits
- State-of-the-art manufacturing facility
- Custom solutions capability
- Stock and quick-ship program availability
- Exceptional customer service

Understanding Your Needs

Whether you're a property developer planning a new community, a facility manager maintaining a corporate campus, or an electrical contractor seeking reliable solutions for your clients, this guide will provide you with the knowledge needed to make informed decisions about outdoor power distribution.

We'll explore everything from basic concepts to technical specifications, helping you understand:

How power pedestals protect and deliver electrical power in outdoor environments

The critical importance of safety certifications and environmental ratings

Key factors in selecting the right power pedestal for your application

Maintenance requirements and long-term cost benefits

Installation considerations for different environments

What You'll Learn

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- Key components and features
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What is a Power Pedestal?

A power pedestal is a temporary outdoor electrical distribution unit that safely delivers power in exterior environments. Unlike basic outlets, power pedestals are specifically engineered for outdoor use, protecting electrical components while maintaining aesthetic appeal.

Core Components

Pedoc's Construction Features

- ✓ Heavy-gauge 304 stainless steel body
- ✓ Fully welded construction
- ✓ Options with self-closing, lockable covers
- ✓ Pre-installed grounding hardware
- ✓ Multiple height options
- ✓ Surface mount or direct bury options

Pedoc's Safety Elements

- ✓ UL-listed in the the USA and Canada
- ✓ NEMA 3R rated enclosure
- ✓ GFCI protection
- ✓ Tamper-resistant design
- ✓ Clear safety labeling

Construction Excellence

The foundation of every Pedoc power pedestal lies in its construction. Unlike panel-constructed alternatives that rely on seams and fasteners, our power pedestals feature a unified, welded stainless steel design that provides unmatched durability and protection. This seamless construction eliminates vulnerable points where water might enter or components might fail, ensuring years of reliable service in even the harshest environments.

Material Matters: Why Stainless Steel?

Our choice of stainless steel as the primary construction material isn't just about durability – it's about creating a product that maintains its integrity and appearance through years of outdoor exposure. Stainless steel provides exceptional resistance to corrosion, temperature extremes, and UV radiation. Its non-porous surface prevents water absorption, while its inherent strength withstands everything from accidental impacts to attempted vandalism.

The material's natural properties create a self-repairing oxide layer that continuously protects against environmental damage. When exposed to oxygen, the chromium in stainless steel forms an invisible protective film that automatically regenerates when scratched or damaged, providing ongoing protection without maintenance.

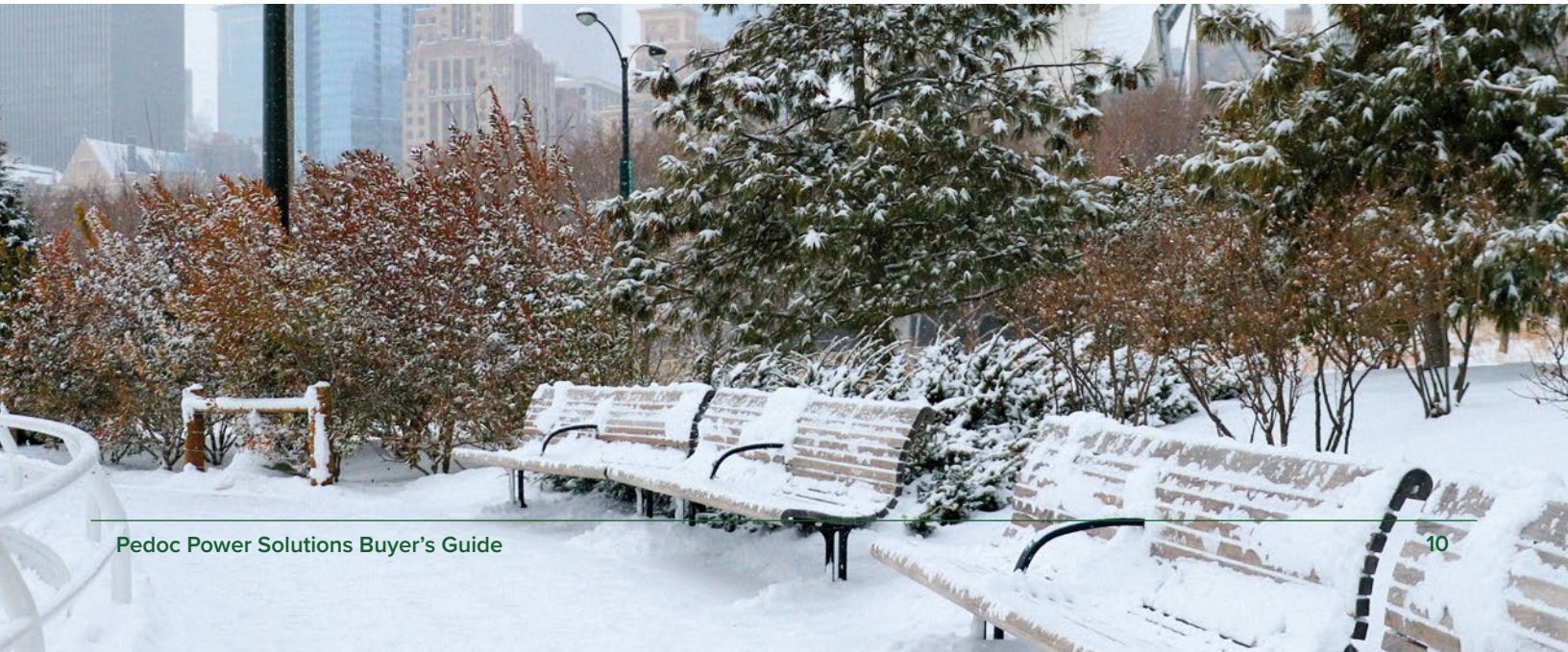
Weather Resistance: Built for the Elements

Outdoor power pedestals must contend with nature's full force – from scorching summer heat to winter freezes, from coastal salt spray to desert dust storms. Our welded construction creates an impenetrable barrier against moisture and debris, while the stainless steel construction remains stable across extreme temperature variations. Unlike plastic alternatives that can become brittle in cold or warp in heat, our pedestals maintain their structural integrity regardless of weather conditions.

Temperature resistance is particularly crucial for outdoor electrical components.

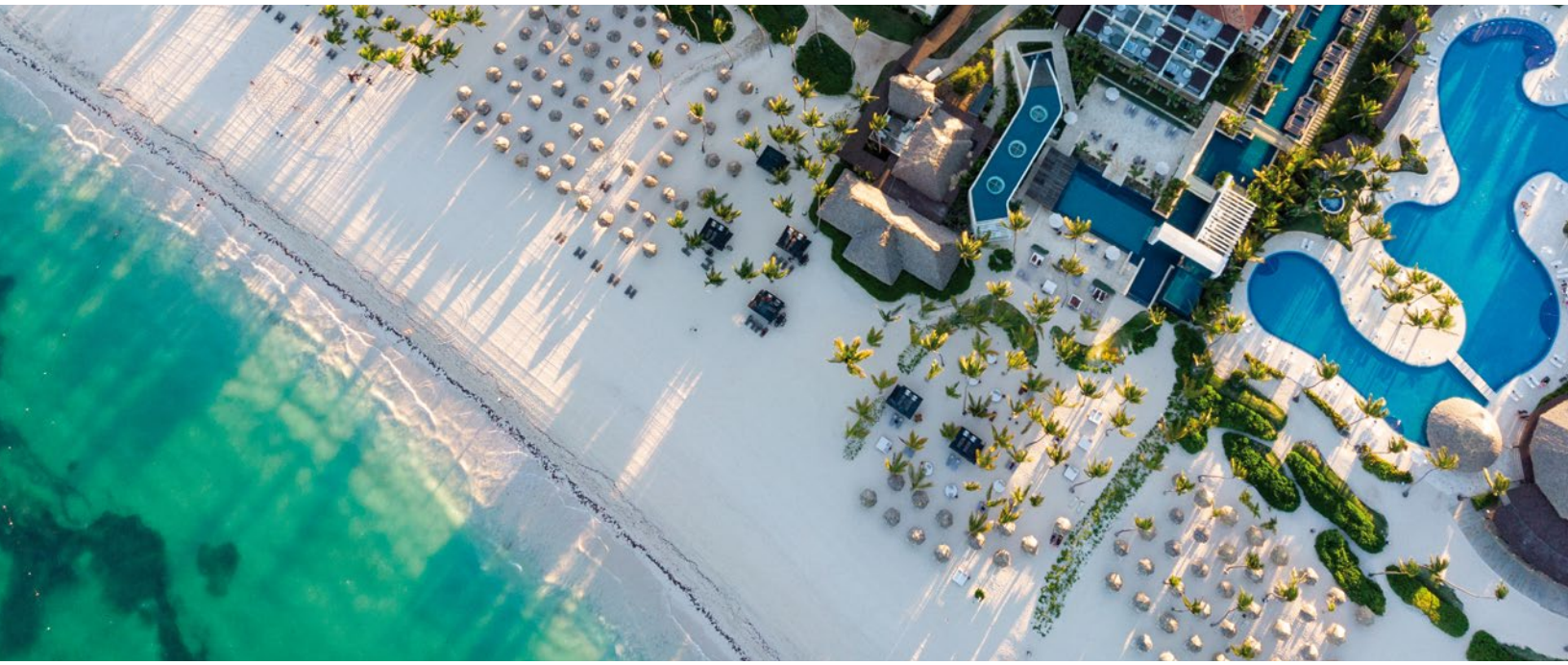
Our pedestals are engineered to:

- Maintain strength and form even in extreme heat without warping or deformation
- Resist cracking or becoming brittle in sub-zero temperatures
- Minimize thermal expansion and contraction, preserving the integrity of electrical connections
- Prevent condensation buildup that could compromise internal components



UV Protection and Aesthetic Longevity

Constant sun exposure deteriorates many materials over time, but our power pedestals are specifically engineered to maintain their appearance and functionality under intense UV radiation. The natural UV resistance of stainless steel is enhanced by our optional UV-rated powder coat finishes, which provide additional protection while offering aesthetic customization options.



Corrosion Defense: Active Protection

In environments where corrosion threatens electrical infrastructure, our stainless steel construction provides active protection through its self-healing properties. The chromium content forms a thin, invisible oxide layer that automatically regenerates when damaged, continuously protecting against moisture, air, and contaminants. This is particularly crucial in coastal areas or industrial environments where corrosive elements are present.

SAFETY CERTIFICATIONS AND STANDARDS

In the realm of outdoor electrical equipment, safety isn't just a feature – it's fundamental. Pedoc power pedestals meet and exceed the industry's most rigorous safety standards, providing peace of mind for installers, facility managers, and end users alike.

Understanding UL Certification

UL (Underwriters Laboratories) certification represents the gold standard in electrical safety testing and validation. Our power pedestals are certified under cULus Standard 1773, a comprehensive certification that covers both United States and Canadian safety requirements for power distribution equipment. This certification involves far more than a one-time inspection – it represents an ongoing commitment to safety and quality.

When you choose a UL-listed Pedoc power pedestal, you're selecting a product that has undergone rigorous testing for:

- Electrical safety, including protection against shock and short circuits
- Fire resistance and flame spread prevention
- Structural integrity under various environmental conditions
- Performance reliability in extreme temperatures
- Protection against water ingress and environmental hazards

Our manufacturing facility undergoes quarterly UL inspections to verify continued compliance with these exacting standards. During these inspections, UL representatives randomly select products from our production line for detailed examination, ensuring consistent quality across every unit we produce.

NEMA 3R Rating: Protection in Outdoor Environments

The National Electrical Manufacturers Association (NEMA) 3R rating on our power pedestals certifies their ability to provide reliable protection in outdoor environments.

This rating specifically ensures protection against:

Rain and precipitation falling from above, preventing water from entering the enclosure and reaching electrical components. Snow and sleet that could otherwise compromise electrical connections and create safety hazards. Wind-blown dust and debris that might interfere with operation or cause premature wear. External ice formation that could affect access or operation of the unit.

Safety Through Design

Beyond certifications, safety is integrated into every aspect of our power pedestals' design. Each unit features:

Multiple layers of protection, beginning with the corrosion-resistant stainless steel exterior and extending to internal safety features. Self-closing, lockable covers that prevent unauthorized access while ensuring protection from the elements even if users forget to close them. Pre-installed ground fault circuit interrupter (GFCI) protection, delivering an additional layer of safety against electrical shock.

Clear safety labeling and operating instructions help users understand proper usage and potential hazards, while tamper-resistant construction prevents unauthorized modifications or access to internal components.

Compliance and Liability Protection

For facility managers and property owners, our UL-listed and NEMA-rated pedestals provide important liability protection. They meet or exceed requirements for:

- National Electrical Code (NEC) compliance
- Local building and safety codes
- Insurance requirements
- Commercial property regulations

This comprehensive approach to safety certification and standards compliance ensures that our power pedestals deliver reliable, protected power distribution in any outdoor environment.

Power Requirements and Options

Determining the right power configuration is crucial for electrical safety in any outdoor installation. Let's explore the key considerations for selecting the appropriate power pedestal solution:

Understanding Amperage Needs

Different applications require different amperage ratings:

 **Low Amperage (15-20A)**	Ideal for basic needs like device charging, lighting, and small tools
 **Medium Amperage (30A)**	Suitable for most food truck appliances, RV hookups and medium-duty equipment
 **High Amperage (50+)**	Required for industrial equipment, and heavy-duty applications

When selecting amperage, consider:

- Maximum load requirements of connected devices
- Number of simultaneous users
- Future expansion needs
- Local electrical codes and requirements

Single vs Dual Gang Options

Pedoc offers both single and dual gang configurations to accommodate varying needs:

Single Gang

- Compact design for basic power needs
- Ideal for individual harging stations or single device connections
- Available in vertical or horizontal orientations
- Perfect for residential applications or limited-space installations

Dual Gang

- Multiple outlet configurations
- Supports combination of different amperage ratings
- Option for divided compartments (power/data)
- Ideal for high-traffic areas or multiple user scenarios

Voltage Considerations

Standard voltage options include:

120V: Common for general-purpose outlets and basic equipment
240V: Required for heavy-duty equipment and specialized applications
Combination configurations available for mixed voltage needs

GFCI Protection

All Pedoc pedestals incorporate thoughtful engineering to ensure GFCI safety.

Protection Features

- Weatherproof enclosures preventing moisture intrusion
- Impact-resistant construction protecting GFCI components
- Elevated mounting reducing water exposure
- Proper ventilation material for heat dissipation

Special Requirements

Pedoc power pedestals can accommodate specialized needs through:

- Custom configurations
- Industry-specific solutions
- Application-based modifications
- Special mounting options
- Specific amperage combinations

Design and Function

Aesthetic Integration

- Clean, modern aesthetics
- Multiple finish options
- Custom color matching available
- Sleek welded construction
- No visible fasteners or seams

Functional Excellence

Each pedestal delivers superior functionality through:

- Easy access for maintenance
- Multiple conduit entry options
- Flexible mounting configurations
- Adaptable internal layouts
- Future-proof design consideration

INSTALLATION CONSIDERATIONS AND GUIDELINES

Whether you're planning a new installation or upgrading existing infrastructure, proper installation is crucial for the long-term success of your power pedestal solution. The choice between surface mount and direct bury installations isn't just about preference—it's about matching the right solution to your specific environment and requirements.

Surface Mount Installation

Surface mounting provides a versatile solution for existing hardscapes and locations where below-grade installation isn't practical or desired. This approach offers particular advantages in urban environments and areas with shallow utilities or challenging soil conditions.

When considering surface mount installation, facility managers and contractors appreciate the straightforward process. The pedestal can be securely anchored to concrete pads (anchors included), pavers, or other stable surfaces. Installation is simple and the pedestal is easily removable, making maintenance a breeze and future modifications or upgrades manageable.

Key advantages of surface mount installation include:

- ✓ Simplified maintenance access
- ✓ Reduced installation time
- ✓ Easy utility connection
- ✓ Future location flexibility
- ✓ Minimal ground disruption

Direct Bury Installation

For applications where a surface structure is not available, direct bury installation offers superior ground stability and a cleaner grade level aesthetic. This method is particularly effective in landscaped areas, parks, and locations where surface mounting isn't practical.

Direct bury pedestals are engineered with specific features to ensure long-term reliability:

- Compatible with typical conduit burial depth requirements (24" standard)
- Side wire entry slots for easy installation
- Removable access panel
- Enhanced protection in shifting ground conditions

> **Direct bury installations require careful consideration of soil conditions and drainage. Our design accounts for ground movement and moisture challenges, ensuring stable, long-term performance."**
>
> - Senior Installation Specialist

Installation Best Practices

Regardless of the mounting method chosen, following proper installation procedures is essential for optimal performance and longevity.

Site Preparation

Before beginning any installation, thorough site evaluation and preparation are crucial. This includes:

- Understanding local codes and permit requirements
- Locating underground utilities
- Evaluating ground conditions
- Confirming power requirements
- Planning conduit routing

Professional Installation

While Pedoc pedestals are designed for straightforward installation, professional electrical installation is required to ensure:

- Proper grounding
- Long-term anchoring stability
- Correct wire sizing
- Appropriate circuit protection
- Code compliance
- Safety certification maintenance

Environmental Considerations

Different environments present unique challenges that must be addressed during installation.

Coastal Areas

- Enhancedcorrosion protection
- Special drainage considerations
- Weatherproof construction

Cold Climate Regions

- Frost line considerations
- Thermal movement allowance
- Drainage for freeze-thaw cycles

Urban Environments

- Pedestrian traffic patterns
- Visual impact assessment
- Access requirements

CONSTRUCTION AND DURABILITY

In the demanding world of outdoor electrical installations, construction quality isn't just about aesthetics—it's about long-term reliability and safety. Pedoc's approach to power pedestal construction represents decades of engineering expertise combined with real-world experience in challenging environments.

The Welded Advantage

At the heart of Pedoc's construction philosophy lies our commitment to fully welded stainless steel design. Unlike traditional panel-constructed pedestals that rely on mechanical fasteners and gaskets, our welded construction creates a seamless unit that stands up to the harshest conditions.

> **When we developed our welded construction method, we were thinking beyond just durability," explains Mike Palmer, Pedoc's production manager. "We wanted to create a product that would maintain its integrity year after year, through countless seasonal cycles and daily use."**

Superior Structural Strength

The structural integrity of a power pedestal is crucial not just for protection of electrical components, but for overall safety and reliability. Our welded construction provides several key advantages:

- ✓ Elimination of potential failure points from fasteners
- ✓ Superior resistance to impact and vandalism
- ✓ Enhanced stability in rugged environments conditions
- ✓ Better protection against ground movement

Enhanced Durability Features

Durability in outdoor electrical equipment isn't just about tough materials—it's about intelligent design that anticipates and addresses real-world challenges.

Weather and Environmental Adaptability

Our pedestals are engineered to handle environmental extremes.

Temperature Resilience

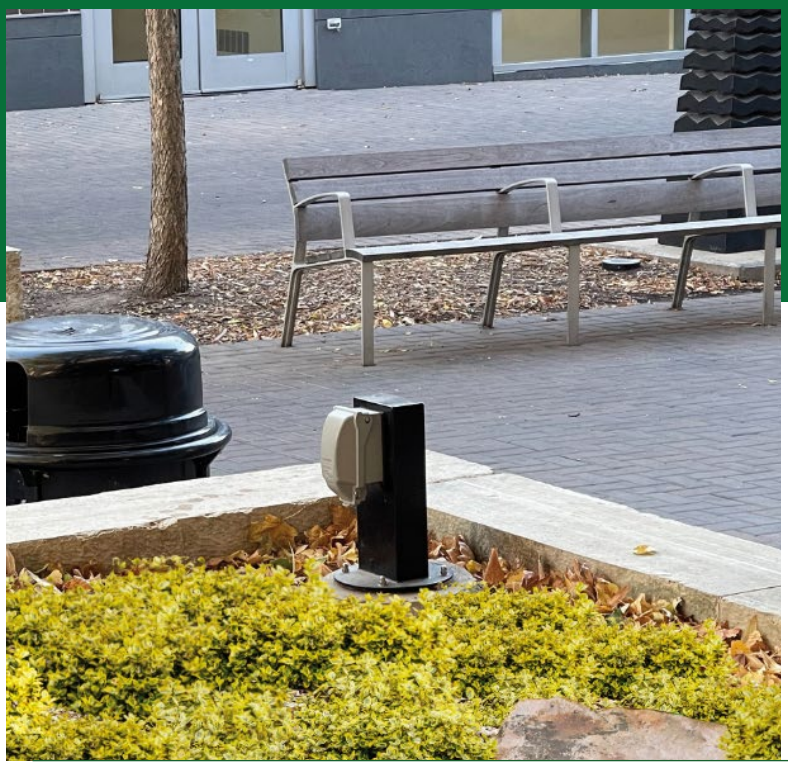
- Maintains structural integrity in hot and cold environments
- Resists thermal expansion and contraction
- Prevents internal condensation
- Protects sensitive electrical components

Moisture Protection

- Multiple moisture barriers
- Corrosion-resistant materials throughout
- Seamless welded construction

UV + Chemical Resistance

- UV-stabilized powder coat finishes
- Inherent stainless steel
- UV resistance
- Inherent stainless steel
- Chemical-resistant surfaces
- Color-fast properties



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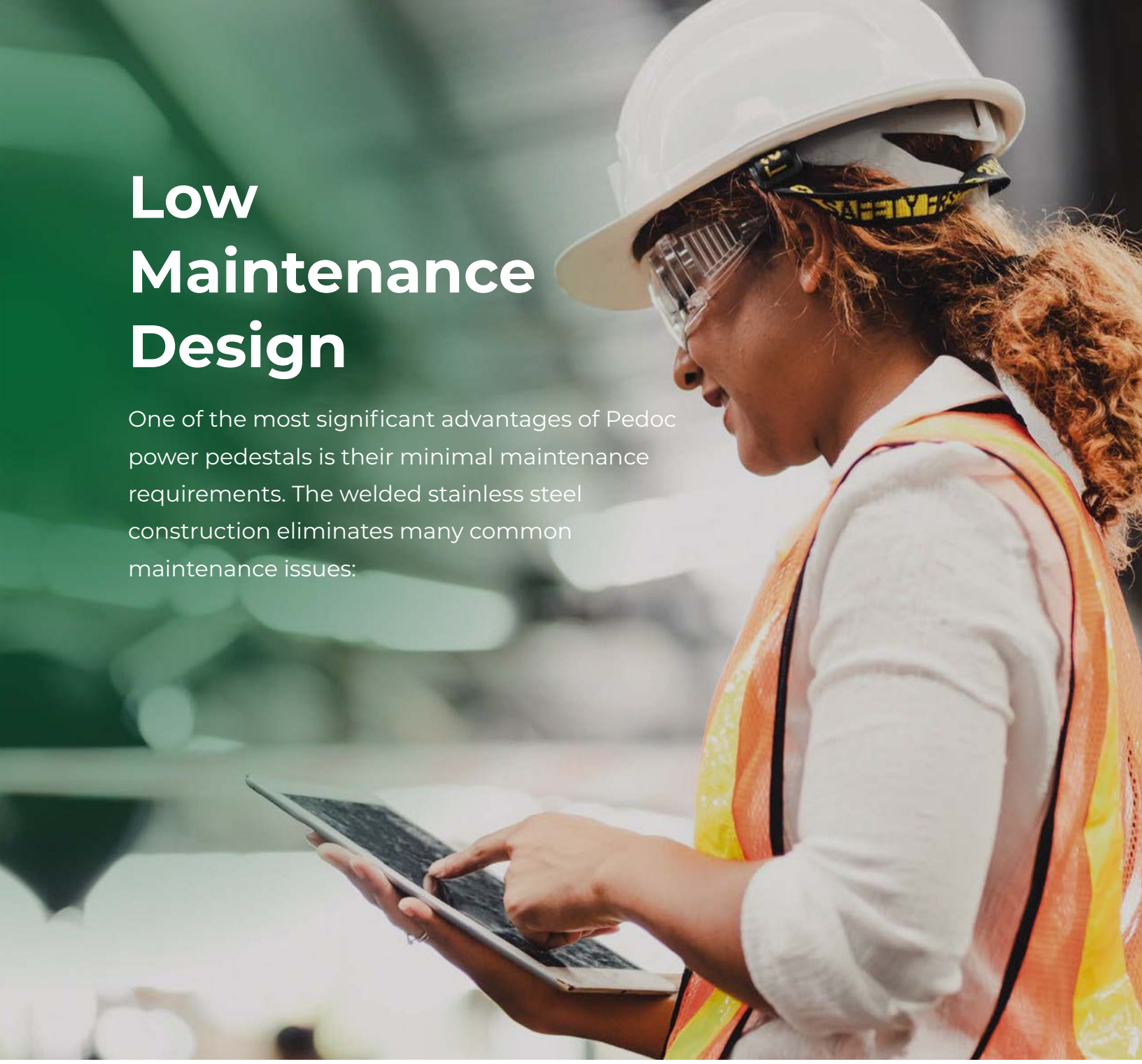


Low Maintenance Design

One of the most significant advantages of Pedoc power pedestals is their minimal maintenance requirements. The welded stainless steel construction eliminates many common maintenance issues:

Welded Construction:

- No fasteners to tighten
- No gaskets to replace
- No panels to realign
- No ingress of water and debris

Stainless Steel Material Choice:

- Natural properties to resist corrosion, wear, impact and deformation
- Easy to clean requiring minimal effort to retain its appearance
- Resistance to extreme heat or cold
- No degradation or fade when exposed to UV rays or prolonged weather exposure

CLEAN POWER SOLUTIONS

In today's environmentally conscious world, delivering reliable power doesn't mean compromising on sustainability or environmental responsibility. Pedoc's power pedestals offer a cleaner, more efficient alternative to traditional power solutions like generators.

The Generator Alternative

While portable generators have long been a go-to solution for outdoor power needs, they come with significant drawbacks that make power pedestals an increasingly attractive alternative. Let's examine the key differences:

Noise Reduction

One of the most immediate benefits of switching from generators to power pedestals is the elimination of noise pollution.

This is particularly crucial in:

- Residential areas and mixed-use developments
- Outdoor dining spaces and entertainment venues
- Campus environments and educational settings
- Healthcare facility grounds
- Parks and public gathering spaces

"The key to successful power pedestal implementation is thorough upfront planning. We work closely with facilities teams to ensure the infrastructure supports both current needs and future expansion."

Mike Foley
Pedoc Engineer

Environmental

Power pedestals offer significant environmental advantages:

Zero Direct Emissions

- No exhaust fumes
- No fuel spills
- No soil contamination
- Reduced carbon footprint
- Improved air quality

Resource Conservation

- No fuel consumption
- Reduced maintenance waste
- Longer service life
- Recyclable components
- Energy-efficient

Site Integration

- Underground conduit routing
- Power source location
- Drainage requirements
- Access planning
- Future expansion pathways

PRODUCT SELECTION GUIDE

Choosing the right power pedestal can seem daunting, but breaking down the decision process into key considerations helps ensure you select the optimal solution for your needs. This comprehensive guide will walk you through the essential factors to consider.

Determining Your Needs

Location Assessment

The first step in selecting a power pedestal is carefully evaluating your installation location. Different environments present unique challenges that will influence your choice:

Coastal Environments

- Salt spray exposure requires enhanced corrosion resistance
- Special attention to grounding requirements
- Consider 316 stainless steel upgrade options

Urban Settings

- Aesthetic integration with existing architecture
- Vandal resistance considerations
- Pedestrian traffic patterns
- Local code compliance

Campus/Park Settings

- Landscape Integration
- Event power requirements
- Multiple user access
- Future expansion needs

MADE IN USA

Power Requirements Analysis

Accurate power requirement assessment ensures your pedestal can handle current and future needs:

Current Demands

- Maximum load calculations
- Number of simultaneous users
- Peak usage patterns
- Device/equipment specifications

Future Planning

- Anticipated growth
- Emerging technologies (EV charging, etc.)
- Seasonal variations
- Special event requirements

Environmental Factors

Beyond basic weather protection, consider specific environmental challenges:

Temperature Extremes

- Freeze-thaw cycles
- High heat exposure
- Temperature fluctuations
- Condensation management

Physical Exposure

- UV radiation levels
- Precipitation patterns
- Wind exposure
- Vegetation contact

Budget Considerations

When evaluating costs, consider the total lifecycle investment:

Initial Investment

- Purchase price
- Installation costs
- Site preparation
- Infrastructure requirements
- Permitting fees

Long-term Value

- Maintenance requirements
- Expected lifespan
- Upgrade flexibility

Product Comparison Matrix

Surface Mount Pedestals Matrix

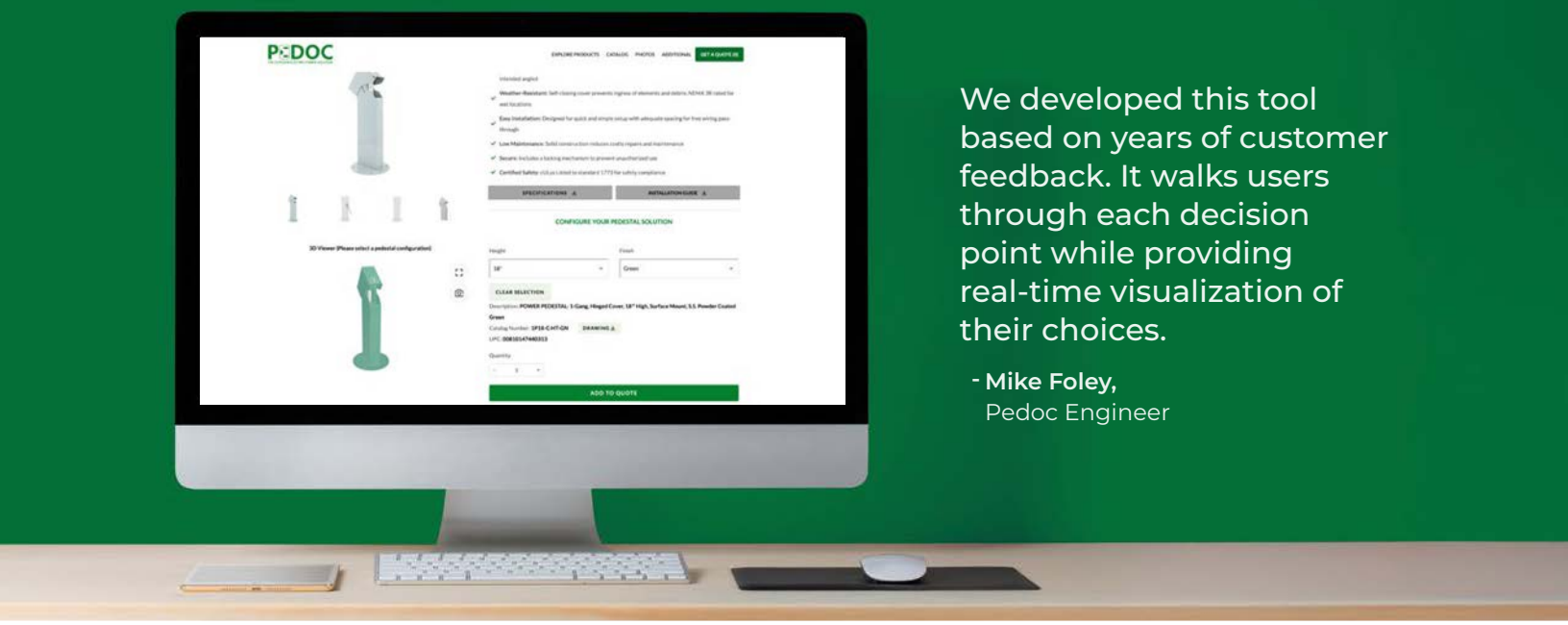
Feature	Hinge Top (1-Gang)	4x4 Flush Mount (1-,2-Gang)	5×5 Hinge Top (1,2-Gang)	Standard (1-,2-Gang)
Amperage Rating	Up to 20A	Up to 20A	Up to 60A	Up to 60A
Height Options	18”, 24”, 30”, 36”, 42”, 48”	12”, 18”, 24”, 30”	18”, 24”, 30”, 36”, 42”, 48”	6”, 12”, 18”, 24”, 30”, 42”, 48”
Anchoring	Welded base	Internal bracketing	Welded base	Welded base
Gang Configuration	Single	1- or 2-Gang	1- or 2-Gang	1- or 2-Gang
Data Integration	No	Optional	Optional	Optional
Cover Style	Self-closing weatherproof	Self-closing weatherproof	Self-closing weatherproof	Accepts standard (not included)
Body Dimensions	4”W x 2.5”D	4”W x 4”D	5”W x 5”D	4”W x 2.5”D
Base Dimensions	8” base	N/A (internal bracketing)	8.5” base	8” base
Typical Lead Time	4-6 weeks standard + Quick-ship and in stock options	4-6 weeks standard + Quick-ship and in stock options	4-6 weeks standard + Quick-ship and in stock options	4-6 weeks standard + Quick-ship and in stock options
Finish	Standard, custom, premium	Standard, custom, premium	Standard, custom, premium	Standard, custom, premium
Customization	Additional device openings	Additional device openings	Additional device openings	Additional device openings
Material Grade	Up to 20A	Up to 20A	Up to 60A	Up to 60A
ADA Compliant Heights	24”, 30”, 36”, 42” 48”	24”, 30”	24”, 30”, 36”, 42” 48”	24”, 30”, 36”, 42” 48”
Conduit Raceway	Welded base	Internal bracketing	Welded base	Welded base
Key Advantage	Tamper resistant and weatherproof cover	Flush mounting capability	Several 15-60 Amp device mounting plate options	Large variety of configurations
Accessories	Foundation Mounting Bracket	Foundation Mounting Bracket	Foundation Mounting Bracket	Foundation Mounting Bracket

Direct Bury Pedestals Matrix

Feature	Hinge Top (1-Gang)	5×5 Hinge Top (1,2-Gang)	Standard (1-,2-Gang)
Amperage Rating	Up to 20A	Up to 60A	Up to 60A
Overall Lengths	42”, 48”, 54”	42”, 48”, 54”	42”, 48”, 54”
Burial Depth	24”	24”	24”
Gang Configuration	Single	1- or 2-Gang	1- or 2-Gang
Data Integration	No	Optional	Optional
Cover Style	Self-closing weatherproof	Self-closing weatherproof	Accepts standard (not included)
Body Dimensions	5”W x 2.5”D	5”W x 5”D	5”W x 2.5”D
Typical Lead Time	4-6 weeks standard	4-6 weeks standard	4-6 weeks standard
Finish	Standard, custom, premium	Standard, custom, premium	Standard, custom, premium
Customization	Additional device openings	Additional device openings	Additional device openings
Material Grade	304 + 316 stainless steel	304 + 316 stainless steel	304 + 316 stainless steel
ADA Compliant Heights	48”, 54”	48”, 54”	48”, 54”
Conduit Raceway	Two 1-1/2”	Two 1-1/2”	Two 1-1/2”
Access Panel/Side and Wire Entry Slots	Yes	Yes	Yes

“Flexibility in configuration is crucial. Our modular approach allows us to meet precise customer requirements while maintaining our high standards for safety and durability.”

- Marlene Palmer



We developed this tool based on years of customer feedback. It walks users through each decision point while providing real-time visualization of their choices.

- **Mike Foley,**
  Pedoc Engineer

Using the Build Your Own Tool

Our online configuration tool simplifies the process of creating custom power pedestal solutions. Each product page has a custom configuration tool with 3D visualization. **Here are the considerations for each model series:**

Surface Mount

Product	Height	Device Configuration	Finish
Hinge Top (1-Gang)	12”, 18”, 24”, 30”, 36”, 42”, 48”	1-Gang	Black, Bronze, Brown, Gray, Green, Custom, Brushed
Flush Mount (1-Gang)	18”, 24”, 30”, 36”, 42”, 48”	1-Gang, 2-Gang, 2-Gang Divided	Black, Bronze, Brown, Gray, Green, Custom, Brushed
Standard (1-, 2-Gang)	6”, 12”, 18”, 24”, 30”, 36”, 42”, 48”	1-Gang Horizontal, 1-Gang Vertical, 2-Gang, 2-Gang Divided	Black, Bronze, Brown, Gray, Green, Custom, Brushed
5x5 Hinge Top (2-Gang, 15-60A)	18”, 24”, 30”, 36”, 42”, 48”	2-Gang, 2-Gang Divided, 30 Amp, 30/50 Amp, 50/60 Amp	Black, Bronze, Brown, Gray, Green, Custom, Brushed

Direct Bury

Product	Height	Device Configuration	Finish
Hinge Top (1-Gang)	42”, 48”, 54”	1-Gang	Black, Bronze, Brown, Gray, Green, Custom, Brushed
Standard (1-, 2-Gang)	42”, 48”, 54”	1-Gang Horizontal, 1-Gang Vertical, 2-Gang, 2-Gang Divided	Black, Bronze, Brown, Gray, Green, Custom, Brushed
5x5 Hinge Top (2-Gang, 15-60A)	42”, 48”, 54”	2-Gang, 2-Gang Divided, 30 Amp, 30/50 Amp, 50/60 Amp	Black, Bronze, Brown, Gray, Green, Custom, Brushed

Step-by-Step Guide

STEP 1

General Base Model Selection

- Choose between surface mount or direct bury
- Determine above grade height requirements
- Consider amperage needs

STEP 2

Configuration Options

- Gang configuration (single or dual)
- Receptacle orientation
- Cover style preferences

STEP 3

Materials and Finish

- Standard 304 or premium 316 stainless steel
- Color selection palette (powder coat or brushed)
- Custom color matching options

CUSTOM CONFIGURATION

Recognizing that every project has unique requirements, Pedoc offers extensive customization options and a specialized configuration process. This section will guide you through the customization possibilities and help you understand how to achieve the perfect solution for your specific needs.

Custom Project Considerations

When undertaking custom projects, several key factors require careful attention:

Aesthetics

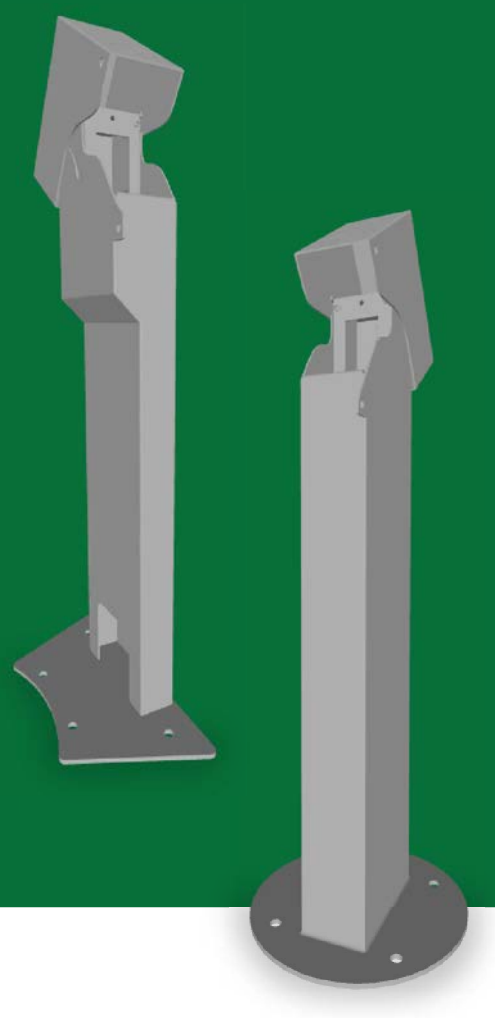
- Brand color alignment
- Natural landscape incorporation
- Visual impact minimization

Technical

- Device configuration circuit requirements
- Wire access entry points
- Conduit raceway sizing

Space Planning

- Physical space constraints
- Special structure mounting
- Accessibility



Special Requirements Process

For projects with unique needs, our special requirements process provides additional support:

1. Initial Consultation

- Site condition review
- Technical requirement identification
- Timeline development
- Budget parameters

2. Design Development

- Detail drawings with isometric views
- Material specifications
- Finish samples
- Engineering validation

3. Approval and Completion Process

- Technical review
- Client sign-off
- Final project close-out documentation

ORDERING PROCESS

Ordering your Pedoc power pedestal involves a streamlined process designed to ensure accuracy and efficiency. This section outlines the steps and requirements for a successful order experience.

How to Request a Quote

Getting started with your power pedestal project begins with a detailed quote. A comprehensive quote request helps prevent delays and ensures you receive exactly what you need. Pedoc sells through distribution channels but welcomes inquiries from designers/engineers, contractors, end-users.

Required Information Checklist

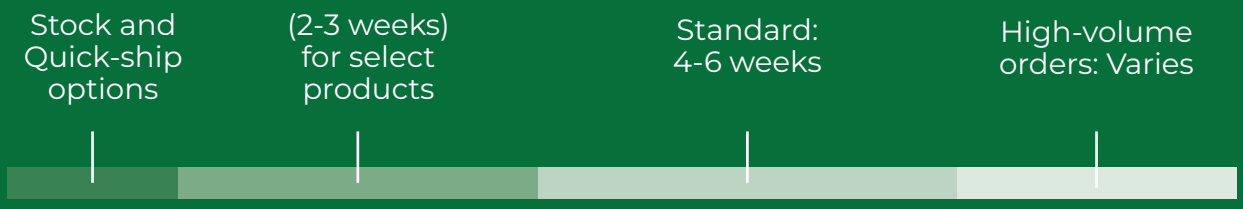
To provide you with the most accurate quote, please have the following information ready:

Information Category	Details Needed	Why It's Important
Project Specifications	Timeline and quantity	Determines production scheduling
Technical Requirements	Amperage and configuration	Ensures accurate requirements are met
Installation Type	Surface mount or direct bury	Affects model selection
Finish Requirements	Color preferences, special finishes	Impacts lead time and pricing

Lead Times

Understanding lead times helps you plan your project effectively:

Standard Products



Custom Products

- Configuration adjustments: Varies
- Special finishes: Varies

Shipping Information

Pedoc's shipping process ensures your pedestals arrive safely and on time.

Individual packages

- Box labeling with product number
- Box dimensions and weights may be found on product drawings
- Glued double-wall boxing
- Foam product stabilization

LTL

- Visibile labeling including part numbers, quantities and PO number
- Pallets with corner boards and reinforcement strapping
- 24-hour *Call-Ahead* option
- Non-stackable handling instructions

Shipping Methods

Pedoc typically utilizes UPS for individual package shipments and Custom Co. for LTL (less-than-truckload) deliveries. Unless specified otherwise, Pedoc will use the standard prepaid and add service for shipping and billing. Personal LTL carriers may be used but must receive prior approval from Pedoc.

Method	Best For	Cost Factor	Cosideration
Standard Ground	Regular Orders	Billing	Most economical
Expedited	Time-sensitive	Prepaid and add	Moderate-premium service
LTL Frieght	Large quantities	Prepaid and add	Volume pricing
LTL Frieght	Large quantities	3rd party	Customer account billing

Tracking and Support

Shipment tracing upon pickup

Call ahead delivery coordination available

Installation Support

Pedoc provides comprehensive installation support to ensure successful implementation. Prior to installation, Pedoc recommends verifying electrical code requirements. Products should be installed by a licensed electrician.

Pre-Installation

- Detailed product drawings and technical specifications may be found on each product page
- English and French installation guides included with shipment detailing
    - Installation requirements regarding conduits, environmental adjustments, cables, ground wires, and splicing
    - CULus listing and features
    - Anchoring hole pattern (surface mount pedestals) and hardware details
    - Below grade placement (direct bury pedestals)

During Installation

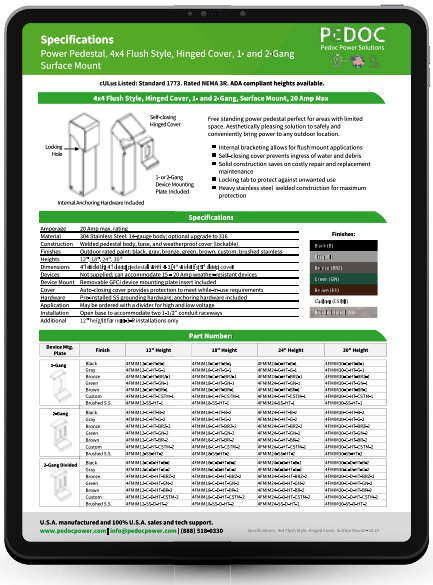
- Phone/email support availability
    - Technical consultation
    - Real-time problem solving and troubleshooting assistance

RESOURCES AND SUPPORT

Pedoc Power Solutions provides comprehensive resources and support to ensure the success of your power pedestal installation. Our USA-based support team is available during standard business hours Monday through Friday from 8am to 4pm Central time.

Technical Specifications

Comprehensive technical documentation is available for all Pedoc products:



Documentation Types

- ✓ Detail drawings
- ✓ Product data sheets
- ✓ UL compliance documentation
- ✓ Warranty information

Installation Guides

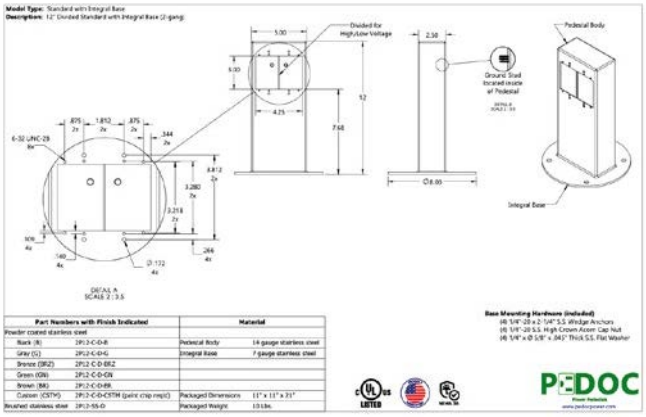
Detailed installation guides are provided for each pedestal model and mounting type:

Guide Component	Surface Mount	Direct Bury
Site Preparation	Foundation requirements	Excavation specifications
Mounting	Anchor hardware details and placement guide	Burial depth and backfill suggestions
Wiring	Raceway dimensions	Raceway dimensions and wire entry points
Grounding	Ground lug locations	Ground lug locations

CAD Drawings

Upon special request, Pedoc can provide detailed CAD drawings to support planning and implementation:

- ✓ Dimensional Drawings
- ✓ Mounting details
- ✓ Conduit entry locations
- ✓ Component configuration



Ex. 12-Inch-2-gang-Divided-with-Integral-Base

Warranty Information

Pedoc power pedestals are backed by a one-year manufacturing comprehensive warranty coverage including:

- Materials defects
- Manufacturing workmanship
- Structural integrity

Contact Information

Main Office

Phone: (888) 518-0330

Fax: (847) 439-0553

Email: info@pedocpower.com

Address: 600 W. Carboy Rd.,
Mt. Prospect, IL 60056

Case Studies

Real-world applications demonstrate the versatility and reliability of Pedoc power pedestals across diverse environments and use cases. Through these case studies, we can see how our solutions address specific challenges while maintaining safety and aesthetic standards.

Voice of Experience: Customer Testimonials

> *"I am an electrical engineer who specifies products for construction projects. Recently, 61 Pedoc receptacle pedestals were installed as per my design for a project on a local campus. The large selection of pedestal types, sizes and color options available from Pedoc simplified the design and allowed the customer to achieve the look they wanted. The quality of the product when received was excellent."*
> **- Kirk Ashton, Electrical Engineering, LLC**

> This level of satisfaction is echoed by contractors who work with our products regularly. As **James Hughes of Bean Electrical** notes: *"I had these pedestals specified on a project years ago. Once we received them and installed them we have been using them ever since, even on projects that specify something else. Very well made, easy to install, and simply an exceptional product."*

Historic Restoration: Supreme Court Courtyard

For the restoration of the Supreme Court Courtyard in Washington, D.C., Pedoc provided a tailored power distribution solution that met the unique demands of this historic site. Collaborating with architects and project managers, our team designed a custom pedestal system that fit within the courtyard's spatial constraints while preserving its architectural integrity.

The installation supports:

- Custom pedestals for tight, historic spaces
- Seamless integration with existing infrastructure
- Efficient collaboration with architects and contractors
- Reliable power access for maintenance and events

This installation demonstrates how Pedoc pedestals can seamlessly integrate into high-tech corporate environments while meeting stringent safety and aesthetic requirements.

Commercial Applications: Google's Caribbean Drive Campus

At Google's 40.5-acre West Caribbean Drive campus in Sunnyvale, California, power pedestals play a crucial role in supporting the site's innovative features. The ultra-modern campus, with its distinctive zigzagging buildings and rooftop gardens, required reliable outdoor power solutions that could serve multiple functions while maintaining the site's architectural integrity.

The installation supports:

- Food truck power stations
- Robotic ground sweeper docking stations
- Maintenance equipment power access
- Outdoor amenity spaces

This installation demonstrates how Pedoc pedestals can seamlessly integrate into high-tech corporate environments while meeting stringent safety and aesthetic requirements.

Residential Projects: The Cooper Southbank

Located along Chicago's South Branch of the Chicago River, The Cooper luxury residential high-rise project presented unique challenges for outdoor power distribution. With 452 rental homes, the development required power solutions that could serve both private and common areas while maintaining the property's upscale appearance.

Key applications include:

- Personal device charging stations
- Residential balcony power access
- Outdoor amenity space power distrubtion
- Landscape lighting infrastructure

Public Space Installation: Aztec's Snapdragon Stadium

Through collaboration with Gensler and Clark Construction Group, Pedoc power pedestals were integrated throughout San Diego State's 35,000-seat Snapdragon Stadium. This state-of-the-art venue required over a hundred power pedestal units to provide power in areas where traditional wall-mounted solutions weren't feasible.

The pedestals serve multiple functions:

- Reporting booth power access
- ADA seat locations
- Personal device charging stations
- Wheelchair lift power supply

Special Event Solutions: Domain Northside

Domain Northside in Austin, Texas, represents a 304-acre mixed-use development requiring flexible power solutions. The project showcases how Pedoc pedestals can support various entertainment and operational needs while integrating with the landscape design.

Applications include:

- In-ground speaker systems
- Tree lighting power distribution
- Common area power access
- Event space power supply

Industrial Application: Raven Distribution

McCormick & Company's 1.8 million-square-foot warehouse and distribution center in Sparrows Point, Maryland, demonstrates Pedoc's capability to handle industrial-scale power requirements. As the company's largest distribution center worldwide, the facility required robust power solutions **for various applications:**

- Vehicle charging stations
- Maintenance equipment power
- Exterior operational support
- Site security systems

These case studies represent just a few examples of how Pedoc power pedestals provide reliable, safe, and aesthetically pleasing solutions across diverse applications and environments. Each installation benefits from our commitment to quality manufacturing and comprehensive support services, all backed by our USA-based team and facilities in Mount Prospect, Illinois.

CONCLUSION

As outdoor spaces continue to evolve and demand for reliable power solutions grows, choosing the right power pedestal becomes increasingly critical. Pedoc Power Solutions, with over 45 years of metal fabrication experience and 15 years of specialized power pedestal manufacturing, stands ready to meet these challenges with innovative, durable solutions that prioritize both safety and aesthetics.

Our commitment to quality is evident in every aspect of our products!

The consistent quality of Pedoc pedestals is perhaps best summarized by Jim Bevis of River Bank and Trust:

"I was amazed by the fit and finish of your product and overly impressed by the care taken to package the product to protect it from damage during shipping. Overall, it's refreshing to see there are businesses like yours that take this much pride in the products they manufacture in this country."

Whether you're planning a small residential installation or a large-scale commercial project, Pedoc power pedestals offer the flexibility, durability, and reliability needed for successful outdoor power distribution. From Google's innovative campus solutions to stadium-scale implementations, our products have proven their value across countless applications and environments.

Get Started with Your Project

Ready to discuss your power pedestal needs? Our team is here to help!

We offer:

- Detailed product consultation
- Online configuration tool
- Custom solution development
- Technical specification support
- Installation guidance
- Ongoing maintenance support

Contact Information

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Hours
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MADE IN USA

Take the Next Step

Visit **www.pedocpower.com** to:

- Download our complete catalog
- View detailed product specifications
- Request a quote
- Explore our project gallery
- Connect with our sales team

Partner with Pedoc Power Solutions and experience the difference that quality engineering, superior materials, and dedicated support can make in your outdoor power distribution project.

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www.pedocpower.com