POWER DISTRIBUTION CENTERS (PDC'S)

MYERS
Power Products, Inc.

Certified WBENC Women's Business Enterprise

ANYTHING IS POSSIBLE WITH MYERS POWER PRODUCTS

PROTECT

Protect your electrical equipment and assets from the elements with a PDC from Myers Power Products. Whether you need a Standard PDC, our Artic Design for extreme cold, a High-Wind Design for defense against hurricanes, a Blast Resistant PDC to protect both personnel and equipment from an external blast, or other special requirement - the Myers team has a solution and a design to suit your needs. As an added benefit, all Myers PDCs are siesmic zone 4 rated, standard.

DISTRIBUTE

The Myers PDC provides you the flexibility to integrate Myers Power equipment with all Major OEM products to deliver best in class electrical distribution solutions. Our PDC's are available in AC or DC, Low or Medium Voltage, or in combination with various electrical systems.

CONTROL

Myers Power Products allows you to determine how your systems will be controlled by providing a wide range of options for SCADA systems, safety hazard mitigation, and protection and operation schemes. Whether you need a simple automatic transfer scheme, a complex paralleling system, or arc flash mitigation; a Myers PDC can be designed and delivered to meet your distinctive requirements.

THE MYERS POWER DISTRIBUTION CENTER (PDC)

Whether you need a Power Distribution Center (PDC), Power Control Center (PCC), or Electrical Equipment House (E-House), Myers Power Products has the most versatile, durable, and reliable electrical housing structures available on the market today. With thousands of PDC's installed worldwide, Myers PDC's have a long history of proven performance in some of the toughest environmental conditions and technically demanding applications. The Myers PDC is available in a wide variety of metals, finishes, custom paint options, and wall, wind & roof ratings.

Each PDC is custom designed by our in-house engineering team in accordance to your unique requirements with state of the art electrical equipment and systems. Myers specializes in the manufacture and integration of both buildings and power distribution equipment; ensuring that the end product is manufactured, integrated and tested all in the same facility – providing you with a complete turnkey solution, with no compromise to the structural or electrical facets of your design…a valuable offer most other manufacturers are unable to provide.

With Myers, anything is possible!

STANDARD PDC

100 - 180 MPH
WIND SPEED

40 - 80 LB/SQFT
ROOF LOAD

22'W X 65'L
SHIPPING SPLIT

Protect your electrical equipment and assets from the elements with a PDC from Myers Power Products. The Myers Standard PDC is available with various options and configurations; whether you need an Artic Design for extreme cold, a High-Wind Design for defense against hurricanes, or other special requirements - the Myers team has a solution and a design to suit your needs. As an added benefit, all Myers PDCs are siesmic zone 4 rated, standard.

BLAST RESISTANT PDC

Myers Power Products Blast Resistant PDC's offer the same integrated solutions as our Standard PDC, but with added blast resistant features that allow for increased personnel safety and equipment protection in the event of an external blast, for continuous operation of critical processes and operations with minimal downtime Blast Resistant PDC's also facilitate compliance of API RP 752 – *Management of Hazards Associated with Location of Process Plant Buildings*. Each Blast Resistant PDC is uniquely designed to meet your specific structural and electrical requirements, from required blast resistant PSI rating to beam and wall thickness.

1-17 PSI*
BLAST RESISTANCE

1 FT*
I-BEAM CONSTRUCTION

ETO*
OUTER SKIN THICKNESS (TYPICAL 1-IN)

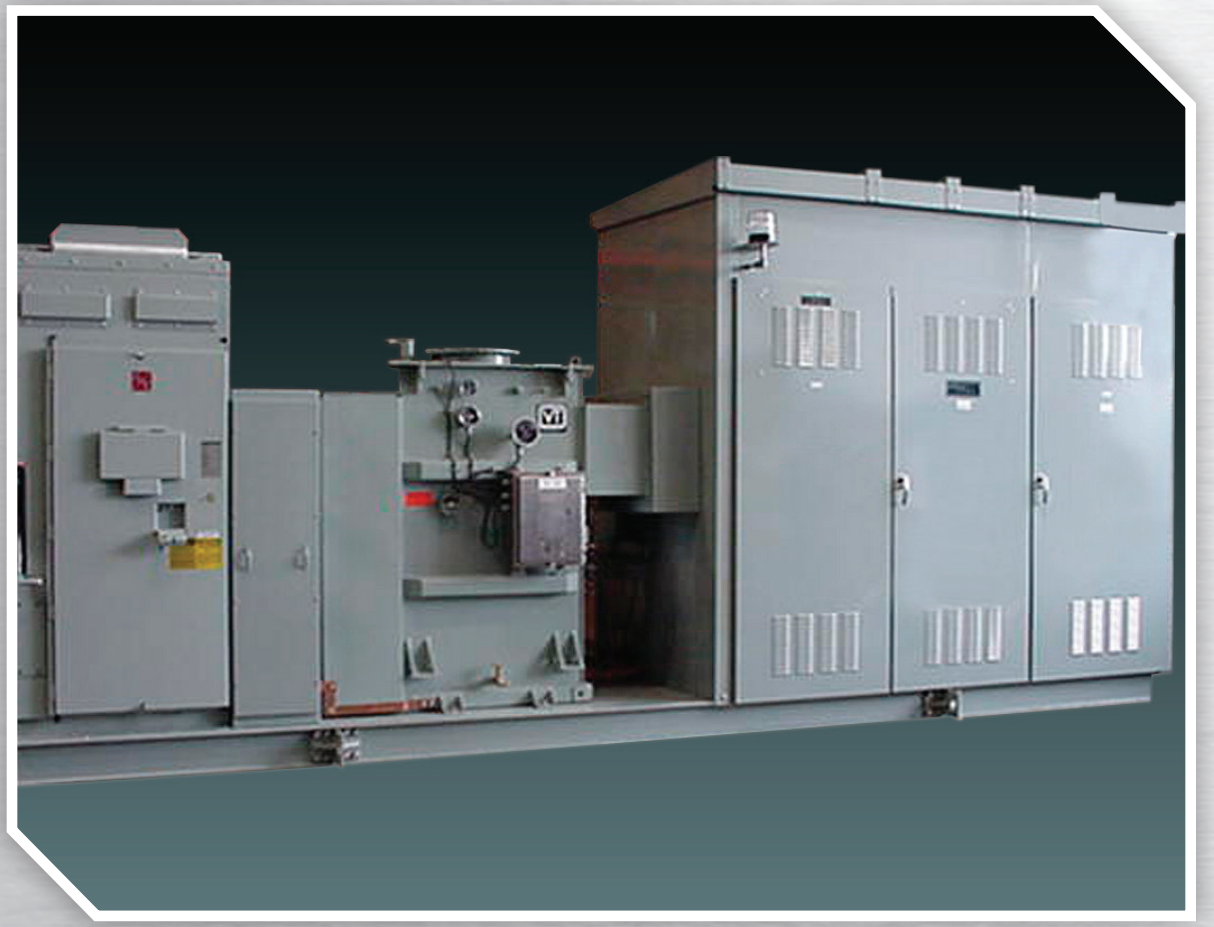
** ETO – Engineered to Order*

SKID MOUNTED PDC

480 V - 38 kV
UNIT SUBSTATIONS
MINING SKIDS

1.0 - 2.0 MW
SOLAR INVERTER
SKIDS

480 V - 5 kV
MOTOR CONTROL
SKIDS



Combine the rugged versatility of a Myers Power Products PDC with the convenience and mobility of a skid based mounting system. Our Skid-Based solutions are available for common applications, such as Integrated Unit Substations, Solar Inverters and Mining Skids, to more custom based solutions that fit your specific requirements. Myers Power Products Skids are available in open or enclosed design with the unique ability to integrate numerous options from 3rd party equipment manufacturers into each delivered solution.

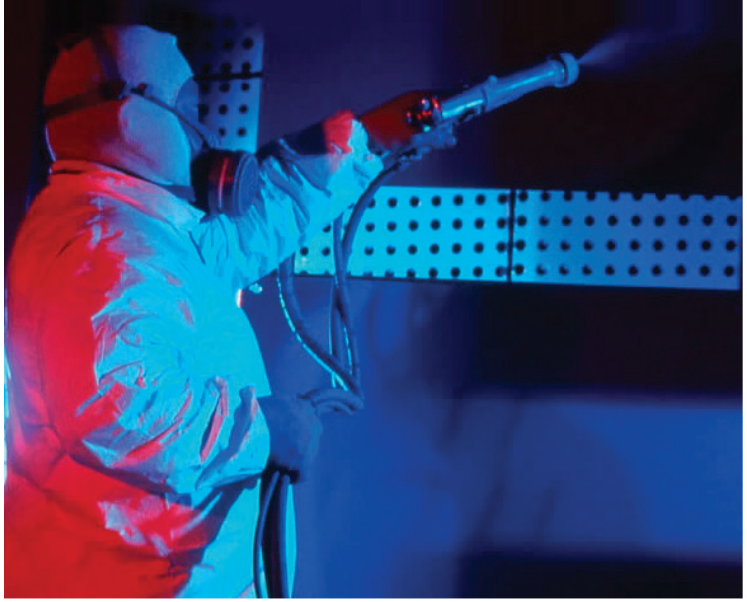
ARC RESISTANT PDC

Myers Power Products ArcRes Switchgear is designed to protect your personnel and equipment from the destructive energy and force of an arc flash incident. Our ArcRes Switchgear utilizes specially designed ducting to safely exhaust any arc flash incidents out of the area and away from your personnel and equipment. ArcRes Medium Voltage Switchgear is designed with vacuum circuit breaker and metal clad switchgear technology for voltage ratings between 5 kV and 15 kV and a GIS design is available for voltage ratings above 15kV.

5 - 15 kV
AC VOLTAGE RATINGS

TYPE 2, 2B, 2C, 2BC
CONSTRUCTION

C37.20.2 & C37.20.7
ANSI STANDARDS



ELECTRICAL EQUIPMENT OPTIONS

Myers PDC's can accommodate an unlimited range of options for electrical equipment integration and control.

Examples of some common solutions are:

- AC MV Switchgear, 5kV – 38kV
- AC LV Switchgear, 480V – 600V
- 480V – 5kV Motor Control Centers
- Protective Relay Panels
- Unit Substations
- DC switchgear, 250 VDC – 1600 VDC
- Power Rectifiers
- Battery Systems
- UPS Equipment
- Panelboards & Switchboards
- SCADA equipment

UL DESIGNS

Myers Power Products standard electrical equipment is backed by over 30 UL files for over 50 different products and designs. Our PDC's can be individually UL or 3rd Party UL labeled upon request for each project. CSA labeling is also available upon request. Common applicable standards for which Myers has associated UL files are:

ANSI C37 – Medium Voltage Circuit Breakers

- Myers Controlled Power
- Eaton
- ABB
- Schneider Electric
- General Electric
- Siemens

Load Interrupter and Isolation Switches Over 600V

- Schneider Electric
- Eaton
- ABB

UL 1558 & UL 891 – Low Voltage Switchgear & Switchboard Assemblies

- ABB
- Eaton
- General Electric
- Schneider Electric
- Siemens

HOUSING CONSTRUCTION & FINISH

Myer Power Products vertically integrated structure allows you the flexibility to choose the construction type and materials that best fit your specific needs. With a multitude of metal and in-house paint options, Myers PDC's offer you more choice and flexibility than any other solution available.

- Metals (11 Gauge - 14 Gauge)
- Galvanneal (standard)
- Cold Rolled Steel (standard)
- 304/316L Stainless Steel (optional)
- Marine Grade Aluminum Type 5052 (optional)
- Finishes
  - Electrostatic Powder Coat ANSI Grey 70 (standard)
  - Custom Colors (optional)
  - Anti-Graffiti (optional)

WALL & ROOF CONSTRUCTION

All Myers Power Products PDC's are designed for optimum durability; we believe that a PDC must be robust enough to stand up to the toughest environmental conditions in order to properly protect your electrical equipment and assets. Common examples of our available wall and roofing options for the Myers PDC include:

Wall Construction

- R-13 Insulation (standard)
- R-19 through R-38 (optional)
- 100 MPH Wind Speed (standard)
- 120-180 MPH Wind Speed (optional)
- 1 Hour & 2 Hour Fire Ratings (optional)
- Bolted Interlocking Design (standard)
- Welded Panel Design (optional)

Roof Construction

- Standing Seam or Roof Cap Designs (standard)
- Cold Roof Design (option)
- R-19 Insulation (standard)
- R-38 Insulation (optional)

Special Design Features

- Seismic Zone 4/D (standard)
- Seismic E & F Ratings (optional)
- Arctic Design (optional)
- Ballistic design optional
- Class I, Div II Pressurized Design (optional)
- Blast Resistant Design (optional)
- Arc Resistant Design (optional)

SHIPPING & REASSEMBLY

Myers Power Products PDC's are designed with ease of shipment and reassembly in mind. Numerous shipping options (single piece or split) are available :

Shipping

- Single Piece Shipping up to 22'W x 65'L
- Shipping Split Shipping up to 16'W x 12'11"H x 40'L (optimum standard)*
- Custom shipping splits available (optional)

Reassembly

- Single Piece Plug & Play
- Shipping Splits w/ Field Termination/Junction Boxes

** Other Configurations Available*

FACTORY TESTING & FIELD SERVICE

Achieve peace of mind in knowing that your PDC is fully functioning as designed, both at the factory and in the field. Myers provides the following testing :

Factory Testing

- ANSI C37.20 Production Test
- Current Injection
- CT Ratio and Polarity
- Mechanical Operation
- Dielectric Test
- Sequence Test
- Additional Testing (optional)

Field Service

- Installation Supervision
- Start-Up Services
- Commissioning Services
- Training
- Recommended Spare Parts
- Repair & Replacement
- Preventive Maintenance Services

PREMIUM PRODUCTS COME WITH PREMIUM SUPPORT.

Myers Power Products is committed to delivering the best products with the best product support throughout North America. Our pursuit of excellence continues long after our products are delivered and placed into service.

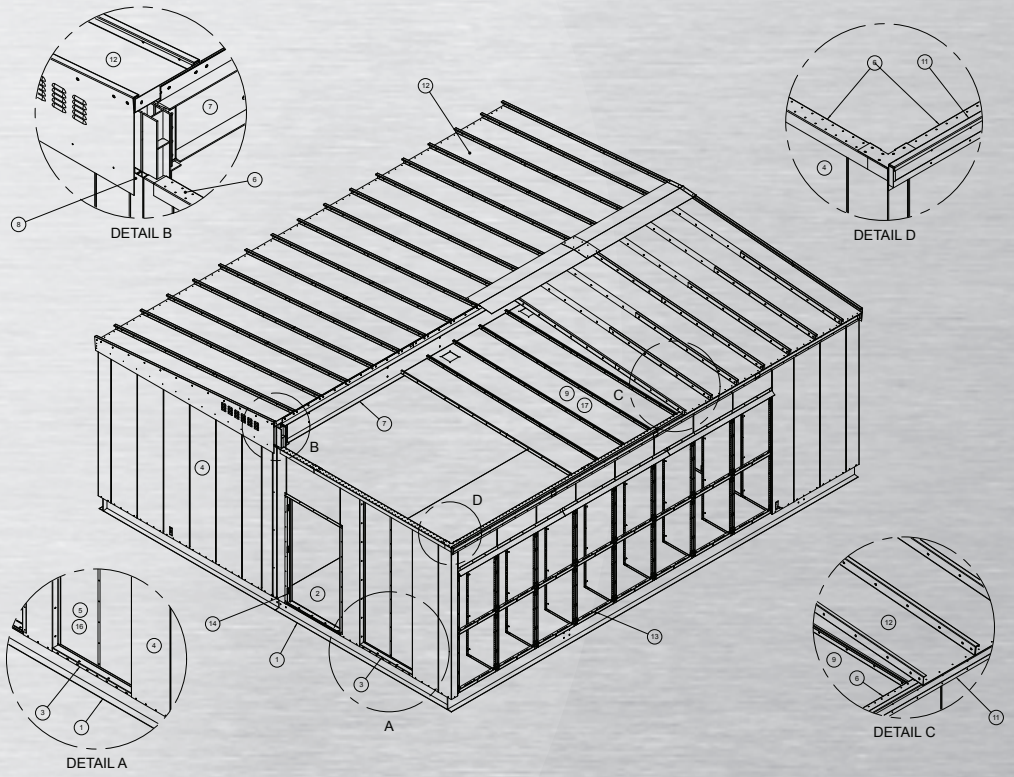
QUALITY DRIVEN NORTH AMERICAN NETWORK:

- **Myers Power Products customer support system** - with manufacturing facilities in California, Ohio and Texas, Myers provides live assistance from a dedicated staff of professional representatives for before **and** after service support, engineering support, quality replacement parts, and for premium hands-on field service support for all of Myers' equipment.
  Peace of mind, guaranteed.
- **Myers' network of premium sales representatives and distributors** located throughout North America are highly trained to assist you; providing you a one-stop-shop for acquisition, maintenance, and warranty services now and well into the future.

- Myers Power Products Locations / Sales Offices
- Utility & Industrial
- Commercial & Institutional
- FVR Utility

POWER DISTRIBUTION CENTER (PDC) DESIGN SPECIFICATIONS

	SPECIFIC ASSEMBLY	MATERIAL	GAUGE	COATING	FEATURES
1	Base construction	12" structural channel and wide flange.	N/A	ANSI 70 grey, Acrylic Enamel overcoat, Kemflash primer, oil base undercoating. Thickness is 6-8 mils.	All exposed members are sandblasted. All welded construction.
2	Base floorplate	Steel Plate	7 gauge HRPO	ANSI 70 grey, Acrylic Enamel overcoat, Kemflash primer.	Plate is welded to structural base members.
3	Wall Sills	Steel	11 gauge HRPO	ANSI 70 grey, electrostatic power coat paint.	Wall Sills are plug welded to the perimeter base frame.
4	Exterior Wall Panels	Steel, formed in column configuration.	14 gauge HRPO	ANSI 70 grey, electrostatic power coat paint.	Are bolted to the wall sills with 3/8" hardware. Wall panels are bolted to each other with interior fasteners. Each wall panel seam is gasketed.
5	Interior wall skins	Steel	16 gauge HRPO	White, electrostatic power coat paint.	Are fastened with tek screws to the exterior wall panels.
6	Bearing channels	Steel	11 gauge HRPO	White, electrostatic power coat paint.	Are fastened with tek screws to the exterior wall panel assembly and bearing channels.
7	Ridge beam	15" minimum Structural channel	N/A	ANSI 70 grey, Acrylic Enamel overcoat, Kemflash primer.	Ridge beam is bolted to the ridge beam support columns.
8	Ridge beam support column	W4 x 13 structural member	N/A	ANSI 70 grey, Acrylic Enamel overcoat, Kemflash primer.	Ridge beam support column is welded to the perimeter base frame. This is only used at the PCC split.
9	Interior ceiling	Steel, formed	14 gauge HRPO	White, electrostatic power coat paint.	Lay in ceiling, tek screwed to each other.
10	Lateral bracing.	3" x 3" x 3/16" steel angle	N/A	ANSI 70 grey, Acrylic Enamel overcoat, Kemflash primer.	Welded between ridge beam and bearing channels.
11	Side wall roof support	Steel, formed	11 gauge HRPO	ANSI 70 grey, electrostatic power coat paint.	Are fastened with tek screws to the exterior wall panel assembly.
12	Roof Panel	Steel, standing seam	12 gauge HRPO	ANSI 70 grey, electrostatic power coat paint.	Are fastened with tek screws to the side wall roof support and bolted to the ridge beam. All roof sheets are bolted to each other. 3/8" hardware used. Ridge split is flashed with 16 gauge steel.
13	Equipment doors	Steel, formed	11 gauge HRPO	ANSI 70 grey, electrostatic power coat paint.	4 stainless steel hinges per door bolted to the wall panel assembly with 3 point latching and door stop.
14	Man doors	Steel, 42" x 84" x 1-3/4"	18 gauge	ANSI 70 grey, Acrylic Enamel overcoat.	Thumb controlled latch, insulated with rim, single point panic device and door closer.
15	Base insulation	Foamed sprayed	N/A		Minimum 2" thickness applied.
16	Wall insulation	Rolled fiberglass with vapor barrier.			R13 insulation value
17	Roof insulation	Rolled fiberglass with vapor barrier.			R19 insulation value



	PDC TYPE						
	Standard	Blast Resistant	Skid Mount	Arc Resistant	Arctic Design	"Class I Div II"	DC
CONSTRUCTION							
14 Gauge	S	N/A	S	S	S	S	S
12 Guage	A	N/A	A	A	A	A	A
11 Guage	A	N/A	A	A	A	A	A
Outer Skin Thickness ETO	A	S	A	A	A	A	A
Galvanneal	S	S	S	S	S	S	A
Cold Rolled Steel	S	S	S	S	S	S	S
304/316L Stainless Steel	A	A	A	A	A	A	A
Marine Grade Aluminum Type 5052	A	A	A	A	A	A	A
FINISH							
Electrostatic Powder Coat ANSI Grey 70	S	S	S	S	S	S	A
Electrostatic Powder Coat ANSI Grey 61	A	A	A	A	A	A	S
Custom Color	A	A	A	A	A	A	A
HVLP Wet Spray	A	A	A	A	A	A	A
Anti-Graffiti Finish	A	A	A	A	A	A	A
7000 Hour Salt Spray	A	A	A	A	A	A	A
WIND RATING							
100 MPH	S	S	S	S	S	S	S
120-180 MPH	A	A	A	A	A	A	A
SEISMIC RATING							
Zone 4 (D)	S	S	S	S	S	S	S
E-F	A	A	A	A	A	A	A
WALL CONTRUCTION							
Bolted Interlocking	S	N/A	S	S	S	S	S
Welded Panel	A	S	A	A	A	A	A
Siding	A	A	A	A	A	A	A
WALL INSULATION							
R-13	S	S	S	S	N/A	S	S
R-19 thru R-38	A	A	A	A	S	A	A
ROOF CONTRUCTION							
Interlock Bolted Standing Seam	S	N/A	S	S	N/A	S	S
Roof Cap	A	N/A	A	A	N/A	A	A
Welded Panel	A	S	A	A	S	A	A
Cold Roof	A	A	A	A	S	A	A
ROOF CONTRUCTION							
R-19	S	S	S	S	N/A	S	S
R-38	A	A	A	A	S	A	A
FIRE RATING							
None	S	S	S	S	S	S	S
1 Hour	A	A	A	A	A	A	A
2 Hour	A	A	A	A	A	A	A
ELECTRICAL EQUIPMENT							
MV Metal Clad	Myers, Schneider Electric, Eaton, ABB, GE, Siemens			ABB	Myers, Schneider Electric, Eaton, ABB, GE, Siemens		
Protective Relay	Schweitzer, ABB, Schneider Electric, Basler, GE						Myers
DC	Myers						
Load Interrupter	Schneider Electric, Eaton, ABB						
LV Drawout Power	ABB, Eaton, GE, Schneider Electric, Siemens						
LV Fixed MCCB							
UL LABEL							
PDC Structure	A	A	A	A	A	A	A
MV Switchgear	A	A	A	A	A	A	A
LV Switchgear	A	A	A	A	A	A	A
LV Switchboards & Panelboards	S	S	S	S	S	S	S
MV Circuit Breakers	S	S	S	S	S	S	S
LV Circuit Breakers	S	S	S	S	S	S	S

MYERS POWER PRODUCTS

Since 1950, Myers Power Products has been and continues to be, a global leader in the supply and integration of a wide range of electrical products. As both a manufacturer and systems integrator, we are trusted by thousands of companies worldwide to provide solutions ranging from medium voltage AC and DC power distribution switchgear and equipment, custom designed enclosures & power distribution centers, low voltage switchboards and panelboards to electrical service pedestals.

With ISO-Certified manufacturing facilities throughout North America, Myers Power Products is uniquely positioned to serve you with the quality solutions you desire for your electrical distribution needs. Our in-house design support, engineering, fabrication, assembly and integration processes provide the expertise and flexibility to deliver both standard and customized, engineered-to-order solutions in a timely and professional manner; giving you the peace of mind that your project will be completed on-time and to specification, regardless of complexity.

Once your product is on site, our highly trained Field Service Team is ready and available when you need them. Myers' expert technicians can handle any need, ranging from start-up and commissioning to training on new equipment or trouble-shooting, repair, and maintenance on equipment.

Spare Parts and Service Contracts are also available to provide you with the peace of mind that your equipment will continue to operate safely and optimally well into the future.

RELIABILITY, DEPENDABILITY, FLEXIBILITY...TRUST IN THE POWER OF MYERS!

Myers Power Products has made every reasonable effort to ensure that the information contained in this brochure is accurate. However, we accept no responsibility for any errors or omissions. We reserve the right to modify designs, characteristics and products at any time.

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