



PRONTO^Q – Online Quotation Tool



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PRONTOQ

Online Demo

<https://prolecge.force.com/pronto/PQLogin>

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What's ProntoQ?

PRONTOQ

- ❑ ProntoQ is an estimating tool to support channels & customers with quick-turnaround budgetary pricing and current lead time information.
- ❑ It's a web-based application that will allow Distributors and Account Managers to:
 - Obtain price
 - Technical description
 - Delivery time
- ❑ Suitable for any electrical device with Google Chrome (cellphone, tablet, PC)

PRONTOQ

- ❑ ProntoQ has a database of more than 7,000 standard designs*
- ❑ The database is updated monthly
- ❑ Associates can request a special design for Industrial Transformers
- ❑ The price provided by ProntoQ can be used as firm price for an order*. (Offer of business can be reviewed via email with PGE)
- ❑ Preliminary drawing can be provided per formal request to PGE.

PRONTOQ

INDUSTRIAL
& RENEWABLE
Transformers



PADMOUNT
3-phase



SUBSTATION TRANSFORMERS
for Indoor & Outdoor operation



STEP-UP TRANSFORMERS
for solar application




STEP-UP TRANSFORMERS
for wind application

Walkthrough: PRONTOQ Fields

1. Sign in Page

- Selected users provided with individual user names and passwords

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🇮🇹 🇺🇸

Sign In

Sign In

[Forgot Your Password?](#)

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2. Home Page

- **Short product description & Scope**
- **User Options:**
 - Help: PRONTO User Guide & Transformer Glossary
 - Quoted History: Visit recently quoted items, or update prices from expired quotations
 - Start a new Quote


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Pole Transformer




Single phase pole - Coming soon

- From 5 to 167 kVA
- Rated Voltage up to 34.5 kV
- Mineral and environmental oil
- Compliance with DOE 2016

Three phase pole - Coming soon

- From 15 to 150 kVA
- Rated Voltage up to 34.5 kV
- Mineral and environmental oil
- *Only available in Mexico**

Padmount Transformer




Single phase padmount - Coming soon

- From 15 to 167 kVA
- Rated Voltage up to 34.5 kV
- Mineral and environmental oil
- Compliance with DOE 2016

Three phase padmount - **New Quote**

- From 45 to 3,750 kVA
- Rated Voltage up to 34.5 kV
- Mineral and environmental oil
- Compliance with DOE 2016

Substation Transformer



Substation Transformer - **New Quote**

- From 225 to 15,000 kVA
- Rated Voltage up to 34.5 kV
- Mineral and environmental oil
- Compliance with DOE 2016

For additional information about our products please visit us at www.prolecge.com

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3. New Quote

- **Initial information load**
 - Product Type
 - End User
 - Location (ship to)
 - Industry

The screenshot shows the 'New Quote' form in the ProntoQ application. The form is titled 'New Quote' and contains four input fields with icons on the left: a gear for 'Substation Transformer', a person for 'FinalUsers', a location pin for 'Texas', and a briefcase for 'Food & Beverage'. A 'Next' button is located at the bottom right of the form. The application header includes the PROLEC logo with the tagline 'Powering reliable solutions for you', the PRONTOQ logo, and the user name 'Alejandra Guzman | Logout'. The navigation bar includes 'Home', 'New Quote', 'Quoted History', and 'Help'.

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4. Product Selection Screen

- **Basic requirements for base unit selection...**

Examples:

- Capacity
- Voltages & Connection
- HV & LV BIL
- Insulating Liquid
- Cooling Class
- Winding Materials
- ...

- **Accessories selection**

- Included as cost adders

- **Number of found items in upper-right corner**

- Need to filter down to 25 items in order to advance

The screenshot shows the 'Product Selector: Substation Transformer' interface. The top navigation bar includes the PROLEC logo, the PRONTOQ logo, and the user name 'Alejandra Guzman | Logout'. Below the navigation bar, the product selector is divided into three main sections:

- Basic Requirements:** This section contains 12 input fields arranged in a 4x3 grid. The fields are: Capacity - kVA (2,500), High Voltage - Connection (12,470 D), HV-BIL (KV) (95), Low Voltage - Connection (480 Y), LV-BIL (KV) (30), Insulating Liquid (Any), Temp. Rise (*C) (Any), Cooling Class (ONAN), Winding Material HV (Any), Coordination HV (Flange), HV Bushing (Any), Taps (Any), Winding Material LV (Any), Coordination LV (Flange), and LV Bushing (Any).
- Accessories:** This section contains 12 input fields arranged in a 4x3 grid. The fields are: Ground Pads (Stainless Steel), Liquid Temp Indicator (Without Contacts), Winding Temp Indicator (No), Liquid Level Gauge (Without Contacts), Drain Valve (Type 1*), Upper Filter Press Valve (No), Pressure Vacuum Gauge (Without Contacts), Pressure Relief Device (Without Contact without Flag), Sudden Pressure Relay (No), Control Box (No), Impact Detector (No), and Jacking (No). There are also two fields for External Surge Arresters and Impact Recorder, both set to 'No'.
- Standard Requirements:** This section contains 8 input fields arranged in a 3x3 grid. The fields are: Standard (ANSI C57-12), Location (Outdoor), Arrangement (Standard), Radiator Type (Welded(panel type)), Frequency (Hz) (60), Bushing Location (Sidewall), Operation (Step Down), Seismic Zone (No), Ambient Temp (*C) (30/40), and Altitude (ft) (3,300).

At the bottom right of the form, there are two buttons: 'Back' and 'Next'.

5. Results and Item Comparison

- List of related items based on required product features
- Feature included to compare the details of different items... differences highlighted

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Product Type: Substation Transformer
2500 kVA, 12470 D – 480 Y, Type ONAN, Temp. Rise (°C) (Any), ANSI-C57-12, 60 Hz, 3,300 FASL, Taps (Any), Coordination HV Flange – Coordination LV Flange, HV Bushing (Any) – LV Bushing (Any)

Design	Design	DOE00030	SS020147-OP1
1	SS020147-4	Capacity - kVA	2500
2	SS020230-4	High Voltage - Connection	12470 D
3	SS020251-4	Low Voltage - Connection	480 Y
4	DOE00036	HV-BIL (kV)	95
5	DOE00185	LV-BIL (kV)	30
6	DOE00192	Insulating Liquid	OIL
7	DOE00106	Temp. Rise (°C)	65
8	DOE00003	Taps	5 - 2 Above - 2.5%
9	SS020021-4	Winding Material HV	CU
10	SS020022-4	Winding Material LV	CU
11	SS020059-4	HV Bushing	Porcelain
12	SS020069-4	LV Bushing	Porcelain
		Standard	ANSI C57-12
		Location	Outdoor
		Arrangement	Standard
		Radiator Type	Welded(panel type)
		Frequency (Hz)	60
		Bushing Location	Sidewall
		Operation	Step Down
		Seismic Zone	No
		Ambient Temp (°C)	30/40
		Altitude (Ft)	3300
		DOE	DOE 2016
		Impedance IZ (%)	5.75
		Core Type	WOUND
		Height (in)	98
		Length (in)	99
		Width (in)	83
		Tank Weight (Lb)	13800
		Oil Weight (Gal)	344

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Close

6. Quote Generation

- Check-out page with items selected
- RFQ document generated and delivered to user, with applicable Terms and Conditions
- PRONTOQ registers the opportunity and notifies Prolec and GE's staff
- PRONTOQ's quotation activity reported in order to monitor the system's usage and accuracy

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Home

Quote Number: 000764

Line	Item No.	Description
1	1 - A	2500 kVA 12, 60 - Coord Extern Detect Relief Withou Liquid Liquid
2	1 - B	2500 kVA 12, 60 - Coord Extern Detect Relief Withou Liquid Liquid

[New Item](#)

Note: If you need to quote a different item, click the "Print/Save" button to obtain the quote.

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GE Prolec Transformers Inc. 1223
Fairgrove Church Road Conover, NC 28613

Substation Transformer
Ph. 53 8180302000
e-mail: ventaspge@ge.com

Sales Rep Ventas PGE

Date: 06/22/2015
To: Alejandra Guzman
Customer: FinalUsers

Quote #: 000764

I. GENERAL DESCRIPTION

ITEM NO. 1 - A BU: SS020147-OPT QUANTITY: 1

GENERAL DATA		SECTION DATA		PRIMARY HV	SECONDARY LV	STANDARD	COMPLIANCE
Capacity - kVA:	2,500	Rating (V):	12,470	480	Standard	ANSI C57-12	
Insulating Liquid:	ENVIROTEMP	BIL (kV):	95	30	DOE	DOE 2016	
Temp. Rise (°C):	65	Material:	CU	CU	UL	No	
Impedance IZ (%):	5.75	Connection:	D	Y	PIP	No	
Frequency (Hz):	60	Bushing Material:	Porcelain	Porcelain	Class1 Div2	No	
Ambient Temp (°C):	30/40	Bushing Location:	Sidewall		Nema1TR1	No	
Altitude (FT):	3,300	Taps:	5 - 2 Above - 2.5%				
Arrangement:	Standard						

Unit Price: \$46,094 USD

Total Detail: \$46,094 USD

Ship To: Texas
Lead Time: 13-15 weeks

Accessories

Coordination LV: Flange	Coordination HV: Flange
External Surge Arresters: No	Cooling Class: ONAN
Jacking: No	Impact Recorder: No
Impact Detector: No	Control Box: No
Sudden Pressure Relay: No	Pressure Relief Device: Without Contact without Flag
Pressure Vacuum Gauge: Without Contacts	Upper Filter Press Valve: No
Drain Valve: Type 1"	Liquid Level Gauge: Without Contacts
Winding Temp Indicator: No	Liquid Temp Indicator: Without Contacts
Ground Pads: Stainless Steel	

APPROXIMATE SHIPPING DIMENSIONS

Height (In)= 98
Width (In)= 83
Length (In)= 99
Tank Weight (Lb)= 14,000
Oil Weight (Gal)= 382

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PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

▾ Basic Requirements

Design

Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

Taps

Taps (%)

Fuses

Temp. Rise (°C)

Insulating Liquid

Winding Material HV

Winding Material LV

Switch

HV Bushing

LV Terminal

***Fields already covered in previous slides**

Next

PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Quoted History

Help



Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

Taps

Insulating Liquid

HV Bushing

BIL = Basic Impulse Level, the peak value that the insulation is required to withstand without failure

What should I select in PRONTOQ?
PRONTOQ automatically enters this value, based the selected voltages

Next

PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Taps

Taps (%)

Insulating Liquid

Winding Material HV

HV Bushing

LV Terminal

Bushing: An electrical insulator (made of porcelain or epoxy) that is used to connect the leads of the transformer with the electrical load.

What should I select in PRONTOQ?

H0 Bushings: Applicable when you specify a wye connection

HV Bushing, and LV terminal: PRONTOQ provides several options for High Voltage Bushings and Low Voltage Terminals. If the specification requires something specific, select from the drop-down menu. If no specific bushings/terminals are mentioned, select "Any" in order to quote the most competitive option.

PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

There are two main types of underground circuits – radial feed and loop feed... **Our transformers are designed according to the type of underground circuit in which they will be used**

- Radial feed: A radial circuit has only one power source for a group of customers. A power failure, short-circuit, or a downed power line would interrupt power in the entire line which must be fixed before power can be restored.
- Loop feed: A loop system is tied into an alternate power source. By placing switches in strategic locations, power can be supplied to the customer from either direction.

What should I select in PRONTOQ?

Learn the type of circuit that will be used by the end user in order to select radial or loop feed. If you need to connect several transformers, you will need a loop feed.

Next

PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

Taps

Taps (%)

Fuses

Temp. Rise (°C)

Insulating

HV Bushing

Dead Front: Enhanced safety through the use of insulated bushings and terminals. By selecting this option the overall cabinet dimensions can be diminished because we can reduce electrical clearances.

What should I select in PRONTOQ?

Learn about the end user's requirements. Dead front is an usual standard requirement for three-phase padmount transformers.

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PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

Taps

Taps (%)

Fuses

Temp. Rise (°C)

Insulating Liquid

Winding Material HV

Winding Material LV

Switch

HV B

Taps: in order to assure a constant energy output we can include a de-energized tap changer that adjusts the variation in high voltage. These “taps” can be placed above and/or below the nominal primary voltage, at specified percentages.

What should I select in PRONTOQ?

Learn about the end user’s requirements. The most typical taps (%) is 2.5% above and below

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PRONTOQ Product Configuration – Three Phase Pads Basic Requirements



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Product Selection: **Three Phase Padmount**

Related Items: 3574

Basic Requirements

Design



Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

H0 Bushings

Feed

Type

Taps

Taps (%)

Fuses

Temp. Rise (°C)

Insulating Liquid

Winding Material HV

Winding Material LV

Switch

HV

Fuses: Used as safety mechanisms to protect the transformer against electrical failures. There are several types of fuses, the most commonly used in three phase padmounts are bayonet fuses.

What should I select in PRONTOQ?

Learn about the end user's needs. If you do not have information about this, select "Any".

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PRONTOQ Product Configuration – Substation Transformers Basic Requirements



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Quoted History

Help



Product Selection: Substation Transformer

Related Items: 1473

Basic Requirements

Design

*Fields specific for Substation transformers... explained in following slides

Capacity - kVA

High Voltage - Connection

HV-BIL (KV)

Low Voltage - Connection

LV-BIL (KV)

Insulating Liquid

Temp. Rise (°C)

Cooling Class

Winding Material HV

Coordination HV

HV Bushing

Taps

Taps (%)

Winding Material LV

Coordination LV

LV Terminal

Altitude (Ft)

Seismic Zone

PIP

Highlighted: Basic requirements for Substation transformer configuration not required for three-phase padmounts..

Next

PRONTOQ Product Configuration – Substation Transformers Basic Requirements



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Product Selection: Substation Transformer

Related Items: 1473

Basic

High Voltage and Low Voltage Coordination: Typically, substation transformers are connected to control equipment such as LIS, motor control center, AKD8, AKD10, etc.

What should I select in PRONTOQ?

If you have a coordination requirement, you can select your need from the PRONTOQ dropdown menu.

LV-BIL (KV)

Insulating Liquid

Temp. Rise (°C)

Cooling Class

Winding Material HV

Coordination HV

HV Bushing

Taps

Taps (%)

Winding Material LV

Coordination LV

LV Terminal

Altitude (Ft)

Seismic Zone

PIP

Next

PRONTOQ Product Configuration – Substation Transformers Basic Requirements



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New Quote ▾

Quoted History

Help



Product Selection: **Substation Transformer**

Related Items: 1473

Basic Requirements

Design



Capacity

SELECT

LV-BIL (kV)

Winding Material

Anv

Taps (%)

Anv

Altitude (Ft)

Winding Material LV

Anv

Seismic Zone

Anv

Coordination LV

Flange

PIP

Anv

Low Voltage - Connection

SELECT

Cooling Class

KNAN

Taps

Anv

LV Terminal

Anv

Altitude: It is important to know the altitude above sea level of the site in which the transformer will be operating in order to correctly determine the correct temperature rise for the transformer design

What should I select in PRONTOQ?

Enter the altitude in feet above sea level for the site where this unit will be operated. The standard is 3,300 FASL



Next



Product Selection: **Substation Transformer**

Related Items: **1473**

Basic Requirements

Design

Capacity - kVA

LV-BIL (KV)

Winding Material

Taps (%)

Altitude (Ft)

Winding Material LV

Seismic Zone

Coordination LV

PIP

Low Voltage - Connection

Cooling Class

Taps

LV Terminal

PIP: Stands for "Process Industry Practices". This is a standard used in the Oil and Gas industry. Some customers from this segment might require this in their transformers

What should I select in PRONTOQ?
If you need PIP design considerations in your transformer, select Yes. Otherwise, select No

Next



Product Selection: **Three Phase Padmount**

Request For Design

▸ Basic Requirements

▾ Accessories

Thermometer

No ▾

Liquid Level Gauge

No ▾

Vacuum Pressure Gauge

Provision ▾

Sudden Pressure Relay

No ▾

Pressure Relief Device

No ▾

Pressure Relief Valve

Standard In LV Side Cc ▾

Color Paint

Munsell 7GY 3.29/1.5 C ▾

HV Inserts

No ▾

MOVE Arrester

No ▾

Extra Labels

No ▾

Grounding Bus

No ▾

Jacking

2 ▾

Door Gasket

After you selected your basic transformer requirements, PRONTOQ gives you the possibility to select accessories for temperature control, winding temperature, pressure, among others. These accessories can have contacts for remote control, or without contacts for visual inspection. Under each field you can see the different options provided by PRONTOQ to customize the transformer design. **If you have any questions about the description or application of these features, please don't hesitate to contact us.**

What should I select in PRONTOQ?

Learn if the end user has specific accessories requirements. If the specification does not mention particular needs, you can leave the standard selection in the PRONTOQ fields.

