

Request for Bids
Backup Generator and Electrical Switchgear
for Serna Center
Bid #0825-0817

Responses Due: July 27 , 2023

No later than 11:00 :00 AM

Sacramento City Unified School District
Contracts Department
5735 47th Ave.
Sacramento, CA. 95824



Sacramento City Unified School District

Contracts Department
5735 47th Ave,
Sacramento, CA 95824
T: 916-643-9465

Bidder Information Sheet

If you downloaded this Bid from our website,
email this sheet to Purchasing Services to be
added to our bidders list.

Attention: Tina Alvarez Bevens, Contract Analyst
Email: tina-alvarez-bevens@scusd.edu

Re: BID #0825-0817 Backup Generator and Electrical Sitchgear for Serna Center

Sacramento City Unified School District Bids/Proposals are available on- line. It is the responsibility of Respondents to email this sheet to Purchasing Services to ensure firm is added to Bidders list to receive Addenda to this Bid.

Name:

Title:

Organization:

Street Address:

City

State/Zip Code

Work Phone

Fax

Email:

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INTRODUCTION

The Sacramento City Unified School District (District) is a California public school district serving approximately 40,000 students on 75 campuses, spanning 70 square miles. The purpose of this Bid, is to solicit proposals from Vendors that can supply the District with the equipment necessary to install a gas-fired backup generator and electrical switchgear at the District's main office. The District intends to select one vendor through this bid process that is believed to be able to provide the best value to the District.

SCOPE OF SUPPLY

Quantity (2) Two

Sacramento City Unified School District
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•Level 1 Acoustic Enclosure, Steel

- Industrial Grease Saker -On Powder Coat Finish
- Average Sound Level, 90 dBA at 20 ft
- UL2200
- EPA Certified
- SCAQMD
- Poer Zone Digital Control Panel for Single or MPS Generators
 - Meets NFPA 99 and 110 requirements
 - Temp Range -40 to 70 degrees C
 -

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- I2T function for full generator protection
- Selectable low-speed exercise
- 2 and 3-

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1 - 60AT 480V 80% Rated 65 kA 3 Pole UL,
Group Mounted Thermal Magnetic Circuit
Breaker: Type BJ
2 - 100AT 480V 80% Rated 65 kA 3 Pole UL,
Group Mounted Thermal Magnetic Circuit
Breaker: Type BJ
Device Designation: Shunt Trip
Shunt Trip - 120Vac
3 - 90AT 480V 80% Rated 65 kA 3 Pole UL,
Group Mounted Thermal Magnetic Circuit
Breaker: Type BJ

SCOPE CLARIFICATIONS

- x Equipment only no installation, fueling or termination of connections
- x Bid price shall include freight to site: Sacramento CityUSD
5735 47th Ave. Sacramento, CA. 95824
- x The District shall agree to pay no more than 10% deposit at the time of order , then
balance invoiced at shipment with NET 30 terms
- x Equipment offloading shall be arranged by the District
- x Include estimated lead time from factory upon receipt of awarded purchase order.
- x Enclosure color: Industrial grey (Factory)
- x Alternate Mfg./Models: The District shall have sole discretion if alternate models and
specifications are determined "Equal". If an alternate manufacturer and model is
proposed, include all specifications and schematics with bid submission.

BID OPENING

- x Bids will be opened at or after the time indicated that responses are due. The District
Office will NOT be open to bidders or their representatives.
- x Bidders shall be clearly written and without erasure or deletions. The District reserves the
right to reject any bid containing erasures, deletions, or illegible contents.
- x Bidders must complete and submit the following documents with Bid submission:
 - o Non-Collusion Declaration
 - o Literature and Specifications
 - o Lead Times

AWARD OF CONTRACT

The District shall award the Contract, if it awards at all, to the lowest responsive, responsible Bidder based on the criteria as indicated in the Notice to Bidders. In the event two or more responsible Bidders submit identical bids, the District shall select the Bidder whom to award the Contract by lot.

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GENERAL TERMS AND CONDITIONS

Bids/Proposals: To receive consideration, Bids/Proposals shall be made in accordance with the following terms:

1. THE BID – All items on the form should be stated in figures, and signatures of all individuals must be in long hand. The completed form should be without interlineations, alterations, or erasures. Unsigned bids will not be accepted. Return one (1) un-bound original and two (2) bound and signed complete set, one (1) PDF version on flash drive, sealed in an envelope with the Bid number and n40039 Tw 0.511Tc 0.ve,2[71

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EXECUTION OF CONTRACT – Issuance of a Purchase Order shall be evidence the contractual agreement between the bidder(s) and the District and the bidder's acceptance of these Bid Instructions and Conditions.

DELIVERY – Time and manner of delivery are essential factors in proper performance under the contract. Unless otherwise specified, the bidder shall deliver the equipment to the project site within the time frame specified in the bid schedule. The bidder shall be responsible for all transportation and handling charges. The bidder shall be responsible for all taxes and duties. The bidder shall be responsible for all customs and brokerage charges. The bidder shall be responsible for all insurance and bonding charges. The bidder shall be responsible for all other charges and expenses incurred in the performance of the contract. The bidder shall be responsible for all other charges and expenses incurred in the performance of the contract.

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national origin, sex or religious creed. Therefore, the bidder agrees to comply with applicable Federal and California laws including, but not limited to, the California Fair Employment and Housing Act. In addition, the successful bidder(s) agrees to require like compliance by all subcontractors employed on the work by him.

O. Termination Without Cause – This Agreement may be terminated by the District upon giving thirty days' advance written notice of an intention to terminate.

P. Product Shortages – If the successful bidder is unable to supply any product listed herein, the District may purchase such product at a fair market value from another source. The difference in cost and all delivery charges shall be the responsibility of the supplier listed on the original contract agreement.

MG400 | 21.9L | 400 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET

GENERAC

DEMAND RESPONSE READY

400 kW, 500 kVA, 60 Hz

Demand Response Rating

400 kW, 500 kVA, 60 Hz

Prime Rating

360 kW, 450 kVA, 60 Hz

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489

INTERNATIONAL

CSA C22.2, B149

BS5514 and DIN 6271

SAE J1349

NFPA 37, 70, 99, 110

NEC700, 701, 702, 708

ISO 3046, 7637, 8528, 9001

Powering Ahead

Generac ensures superior quality by designing and



MG400 | 21.9L | 400 kW

GENERAC INDUSTRIAL

INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary Emergency and Non-Emergency

STANDBY CERTIFIED

DEMAND RESPONSE READY

ENGINE SYSTEM

- Oil Drain Extension

Electrical System

- Battery Charging Alternator

GENERATOR SET

- Internal Genset Vibration Isolation

- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Engine Coolant Heater
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer

- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby and Demand Response Rated Units)



G400 | **21.9L** | **400 kW**
 INDUSTRIAL SPARK-IGNITED GENERATOR SET
 EPA Certified Stationary Emergency and Non-Emergency

APPLICATION AND ENGINEERING DATA

DEMAND RESPONSE READY

ENGINE SPECIFICATIONS

Make	Generac	Cooling System Type	Pressurized Closed Recovery
Cylinder #	12	Fan Type	Pusher
Type	V12	Fan Speed - RPM	1,404
Displacement - In ³ (L)	1,336.4 (21.9)	Fan Diameter - in (mm)	44 (1,118)
Bore - in (mm)	5.03 (128)		
Stroke - in (mm)	5.60 (142)	Fuel System	
Compression Ratio	10.0:1	Fuel Type	Natural Gas
Intake Air Method	Turbocharged/Aftercooled	Carburetor	Down Draft
Number of Main Bearings	7	Control Fuel Regulator	Standard

G400 | 21.9L | 400
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency and Non-Emergency



DIMENSIONS AND WEIGHTS*

DEMAND RESPONSE READY

OPEN SET (Includes Exhaust Flex)

L x W x H - in (mm) 154.4 (3,922) x 71.0 (1,803) x 66.5 (1,689)
Weight - lbs (kg) 7,286 - 8,650 (3,304 - 3,923)

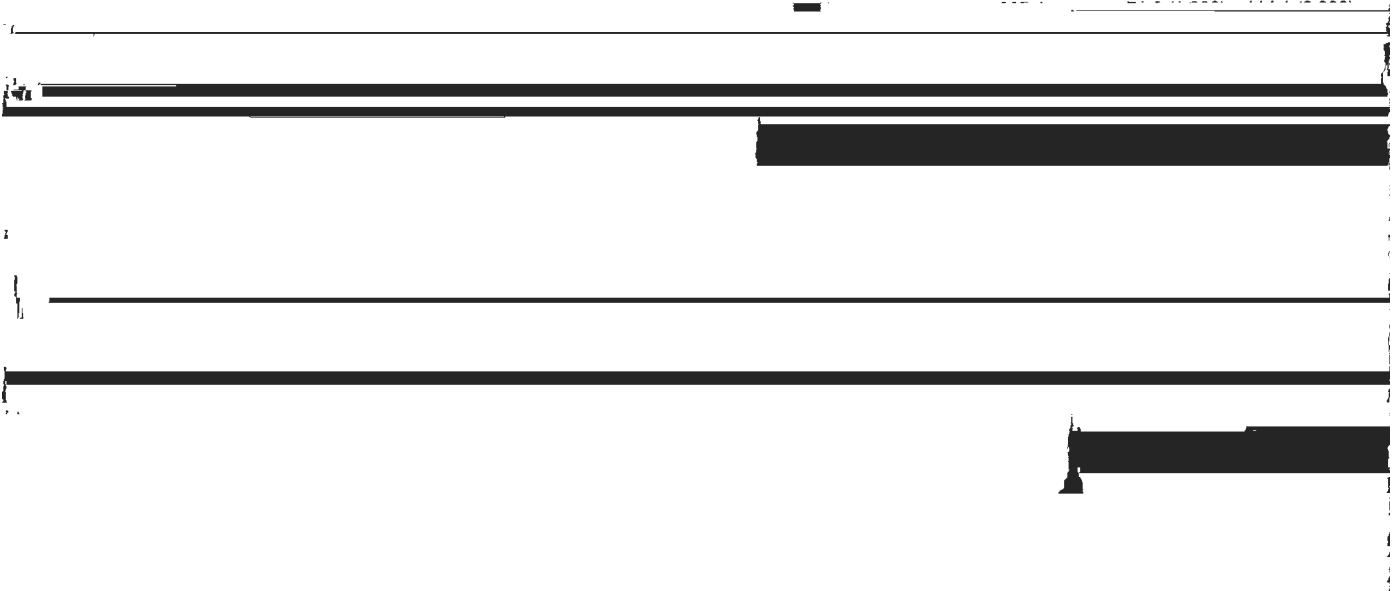
WEATHER PROTECTED ENCLOSURE

L x W x H - in (mm) 207.4 (5,268) x 71.0 (1,803) x 80.0 (2,032)
Weight - lbs (kg) Steel: 9,490 - 10,840 (4,304 - 4,916)
Aluminum: 8,404 - 9,753 (3,811 - 4,423)

LEVEL 1 SOUND ATTENUATED ENCLOSURE

L x W x H - in (mm) 247.5 (6,287) x 71.0 (1,803) x 80.0 (2,032)
Weight - lbs (kg) Steel: 10,498 - 11,847 (4,761 - 5,373)
Aluminum: 8,818 - 10,185 (3,999 - 4,619)

LEVEL 2 SOUND ATTENUATED ENCLOSURE



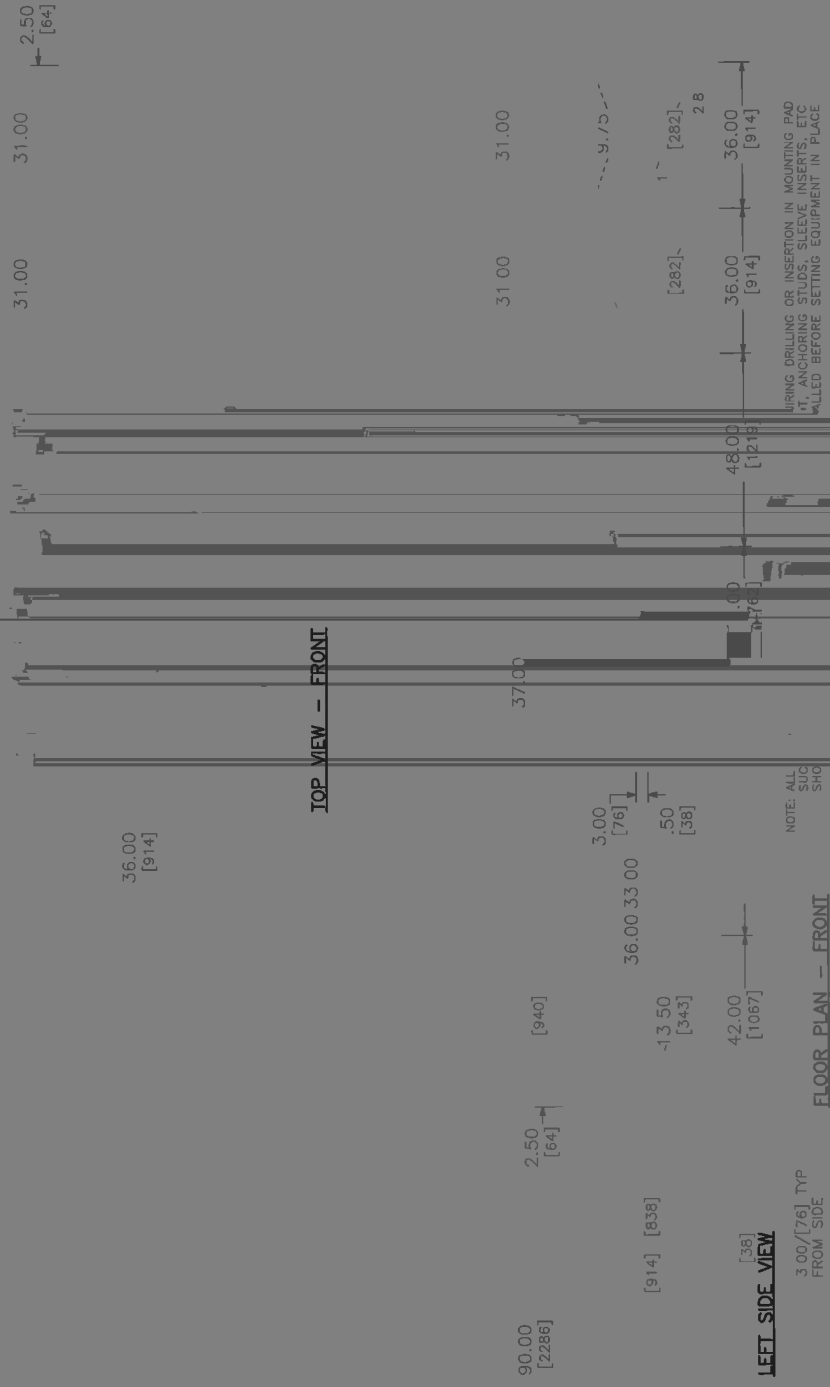
Weight - lbs (kg) Steel: 10,836 - 12,185 (4,914 - 5,526)
Aluminum: 8,963 - 10,330 (4,065 - 4,685)

LEVEL 3 SOUND ATTENUATED ENCLOSURE

L x W x H - in (mm) 232.0 (5,893) x 76.9 (1,953) x 129.2 (3,282)
Weight - lbs (kg) 13,224 - 14,285 (5,997 - 6,478)

BY _____ DATE --/--/--

INCHES	MILLIMETERS
1/8	3
1/4	6
3/8	9
1/2	12
5/8	15
3/4	18
7/8	21
1	25



DUAL DIMENSIONS: INCHES MILLIMETERS

PLAN

12 OF 315

DRILLING OR INSERTION IN MOUNTING PAD AT ANCHORING STUDS, SLEEVE INSERTS, ETC CALLED BEFORE SETTING EQUIPMENT IN PLACE

NOTE: ALL DIM. SHG.



ION: 1200A Main Swbd Alt
QED-2 Switchboard
ONE LINE

SQUARE



1:20



SECTION 5

POWER STYLE QED-2 SWITCHBOARD

CKT NO	D M/D	DEVICE/FRAME RATING	TRIP AMP	FUSE/TRIP	#	DESIGNATION	N/P	LUG/WIRE INFORMATION			ACCE :	RIES / NOTES		
								QTY	PHASE	WIRE RANGE			QTY	NEUT WIRE RANGE
FIX		1200A P-1200A Pkg A	P-LSIG	3P		No	4	3/0 - 750	kcmil	4	3/0 - 750	kcmil		
FIX		1200A P-1200A Pkg A	S-LI	4P		No	4	3/0 - 750	kcmil	4	3/0 - 750	kcmil		
6 in		400A U-400A	S-LI	3P		No	2	3/0 - 250	kcmil	2	3/0 - 250	kcmil		
6 in		400A U-400A	S-LI	3P		No	2	3/0 - 250	kcmil	2	3/0 - 250	kcmil		
6 in		400A U-400A	S-LI	3P		No	2	3/0 - 250	kcmil	2	3/0 - 250	kcmil		
6 in		400A U-400A	S-LI	3P		No	2	3/0 - 250	kcmil	2	3/0 - 250	kcmil		
6 in		400A U-400A	S-LI	3P		No	2	3/0 - 250	kcmil	2	3/0 - 250	kcmil		
5 in		100A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		100A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		100A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
6 in		600A U-600A	S-LI	3P		No	2	4/0 - 500	kcmil	2	4/0 - 500	kcmil		
6 in		700A W	S-LI	3P		No	3	3/0 - 500	kcmil	3	3/0 - 500	kcmil		
4.5 in		250A U	S-LI	3P		No	1	3/0 - 350	kcmil	1	3/0 - 350	kcmil		
5 in		110A BU	S-LI	3P		No	1	#14 - 2/0	AWG	1	#14 - 2/0	AWG		
4.5 in		50A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
4.5 in		50A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
4.5 in		150A HU	S-LI	3P		No	1	#6 - 3/0	AWG	1	#6 - 3/0	AWG		
4.5 in		225A U	S-LI	3P		No	1	3/0 - 350	kcmil	1	3/0 - 350	kcmil		
4.5 in		60A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
4.5 in		100A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		100A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		90A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		90A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		
5 in		90A BU	S-LI	3P		No	1	#14 - 1/0	AWG	1	#14 - 1/0	AWG		

LEGEND

ERMS	Energy Reduction
GF	Ground Fault
MX1	Shunt Trip
PLA	Podlock Attachment-Fixed
TU	24V Trip Unit Display Power

SCHNEIDER ELECTRIC

A tradition of distinction, with a mission to
innovate solutions for tomorrow

Life Is On

SQUARE™

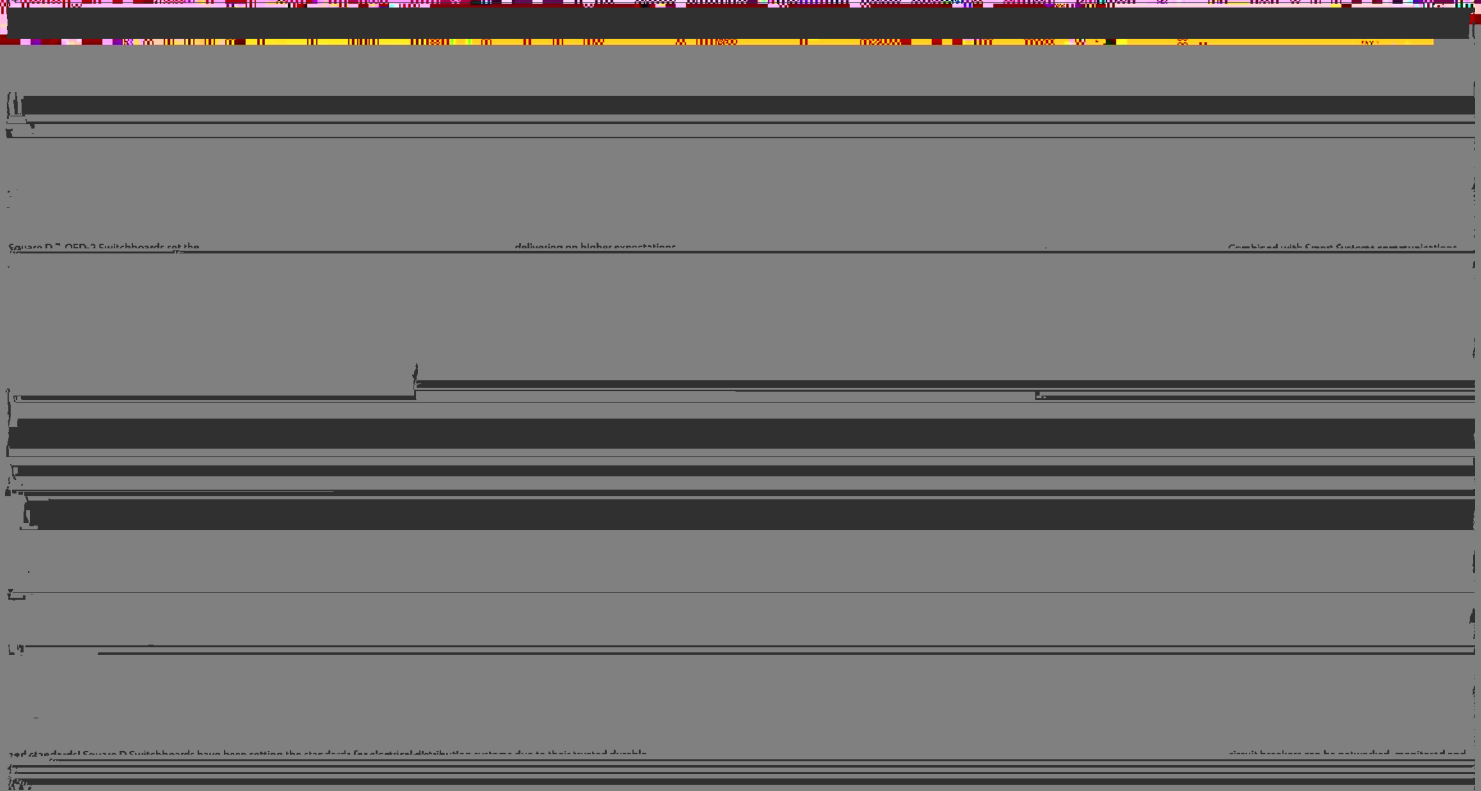
by Schneider Electric

A Tradition of Distinction

Square D QED-2 Low Voltage Custom Switchboards



Smart Systems Communications
The Smart Systems solution provides Ethernet-networked metering and status data from Square D switchboard electrical equipment, waste heat and power heat exchangers, and distillation columns for energy recovery.



A Mission of Innovative Solutions

Faster Project Turnaround

- On-demand factory approval drawings
- Auto release of Equipment to manufacturing
- Select designs with premier 4-week lead time
- 24/7 services support
- Customer-focused order process
- Customizable options available

Compromise

Surge Protection

Mixing Options

PowerLogic™ Power
Metering available
to monitor at main or
feeder level