



Electrical Service

**Discount Deadline:
July 31, 2023**

September 11–13, 2023 · Las Vegas, Nevada USA

- Your order with full payment along with a floor plan indicating main power location and distribution points, if applicable, **must be received prior to Discount Deadline date to receive Advance rates.**
- **Multiple Outlet Locations:** A scaled floor plan is required for orders with multiple outlet locations and/or island booths. Detailed examples are provided on the following page. If a power location or main drop in an island booth is not provided prior to show move-in, a location will be determined by PES in order to maintain delivery schedules. Relocation of the service will be charged on a time and material basis.
- **Island Booths:** For island booths with no labor ordered, there is a 1/2 hour minimum installation charge and a 1/2 hour minimum dismantle charge.
- **24-Hour Services:** If an uninterrupted power supply is required for the full duration of the show, please order 24 hour power. Electricity is turned on 30 minutes prior to show opening and turned off 30 minutes after show closes on show days. Power will be turned off immediately after final show closing. If you require power outside actual show hours, special arrangements should be made in advance. Additional charges may apply
- **Cables, tape, cords and power strips are included in the outlet price which has been adjusted to bundle these into one rate. Custom materials items like quad boxes, disconnects, transformers, or breaker panels, etc. Are not included in the bundle.**
- **Separate Outlets:** Separate outlets should be ordered for each piece of equipment and/or each power location.
- **Hanging Signs:** Standard Prices will apply if your hanging sign is not received in advance at the warehouse prior to the warehouse shipping deadline date.
- Temporary hoist power must be ordered separately and cannot be ordered in conjunction with any other outlet.
- **High Voltage Overhead Power: Overhead electrical outlets now include the install and dismantle labor needed for power distribution from ceiling to the floor. Any onsite changes to ceiling drops will be billable. Floor work electrical labor and hookup labor will be billed as required.**
- **Extension Cords and Power Strips:** Extension cords and power strips are available at the PACK EXPO Services Center.
- **Light Stand Placement:** For single or double light stand, price includes installation along the side rails of an inline booth. Placement elsewhere will require additional labor and materials.
- Equipment and Labor cancelled without 24-hour notice will be charged a one (1) hour cancellation fee per Electrician and Condor/Lift. Cancellations received after installation will be billed at 100%. Please refer to the show Terms and Conditions for additional information.

Go to [Cyberservices](#) for fast, easy ordering.

110/120 VOLT

<i>*for 24 hrs./day double price</i>	24 hr.	Quantity	Advance Price	Standard Price	Total
500 Watt (5 Amp) Outlet		X	\$119.05	\$170.10 =	
1000 Watt (10 Amp) Outlet		X	\$259.80	\$371.15 =	
1500 Watt (15 Amp) Outlet		X	\$273.90	\$391.25 =	
2000 Watt (20 Amp) Outlet		X	\$354.10	\$505.90 =	
3000 Watt (30 Amp) Outlet		X	\$419.75	\$599.65 =	

208 VOLT SINGLE PHASE (Labor Required for Connection)

<i>*for 24 hrs./day double price</i>	24 hr.	Quantity	Advance Price	Standard Price	Total
10 Amp Outlet		X	\$372.40	\$532.00 =	
20 Amp Outlet		X	\$531.50	\$759.30 =	
30 Amp Outlet		X	\$562.15	\$803.10 =	
60 Amp Outlet		X	\$758.85	\$1,084.10 =	
100 Amp Outlet—Overhead		X	\$1,058.00	\$1,511.45 =	
200 Amp Outlet—Overhead		X	\$2,776.50	\$3,966.45 =	

Exhibiting Company: _____

Booth Number: _____

Print Name: _____

Date: _____

Authorizer's Signature: _____



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208 VOLT THREE PHASE(Labor Required for Connection)

<i>*for 24 hrs./day double price</i>	24 hr.	Quantity	Advance Price	Standard Price	Total
10 Amp Outlet		X	\$487.55	\$696.50 =	
20 Amp Outlet		X	\$565.60	\$808.00 =	
30 Amp Outlet		X	\$839.35	\$1,199.10 =	
60 Amp Outlet		X	\$1,054.85	\$1,506.95 =	
100 Amp Outlet—Overhead		X	\$1,877.50	\$2,682.15 =	
200 Amp Outlet— Overhead		X	\$3,048.55	\$4,355.10 =	
400 Amp Outlet—Overhead		X	\$7,515.50	\$10,736.45 =	
Transformer to Boost 208V to Approx 230V— per Amp(20 Amp Min.) Qty of Amps		X	\$9.70	\$12.61 =	

480 VOLT THREE PHASE (Labor required for Connection)

<i>*for 24 hrs./day double price</i>	24 hr.	Quantity	Advance Price	Standard Price	Total
20 Amp Outlet—Overhead		X	\$1,136.85	\$1,624.10 =	
30 Amp Outlet—Overhead		X	\$1,279.60	\$1,828.00 =	
60 Amp Outlet—Overhead		X	\$1,698.10	\$2,425.90 =	
100 Amp Outlet—Overhead		X	\$2,258.05	\$3,225.80 =	
200 Amp Outlet—Overhead		X	\$3,668.00	\$5,240.00 =	

*** This type of outlet has to come from overhead and run directly to the hookup point. It can NOT be run under the carpet/ flooring. *** **New for 2023** -Overhead Electrical Outlets now include the **install and dismantle** Condor Labor needed for power distribution from ceiling to the floor. Floor work electrical labor and hookup labor will be billed as required. Cables, tape, cords and power strips are included in the outlet price which has been adjusted to bundle these into one rate. Custom materials items like quad boxes, disconnects, transformers, or breaker panels, etc. are not included in the bundle.

LIGHTING (Price Includes Power & Labor for Installation)

Item	Quantity	Advance Price	Standard Price	Total
<i>*Please note these items are taxable</i>				
Arm Light (requires hard back wall)	X	\$75.00	\$97.50 =	
Single Light Stand	X	\$108.95	\$141.65 =	
Double Light Stand	X	\$190.45	\$247.60 =	
Overhead ¹ Quartz Light*	X	\$432.10	\$561.75 =	

*Overhead quartz lights include labor and equipment to install and first focus.

*May require labor and/or lift at additional charge, not available in some locations. Please contact PES for estimated charges.

ADDITIONAL INFORMATION

Can't find it? Please call your Customer Service Manager with any questions, needs or special requests.

CALCULATING YOUR TOTAL

Subtotal _____
 (Lighting only) Taxes 8.375% _____
TOTAL _____

Exhibiting Company: _____

Booth Number: _____

Print Name: _____

Date: _____

Authorizer's Signature: _____

ELECTRICAL INSTRUCTIONS

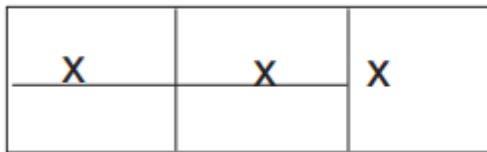
HOW TO DETERMINE ELECTRICAL REQUIREMENTS

For Equipment

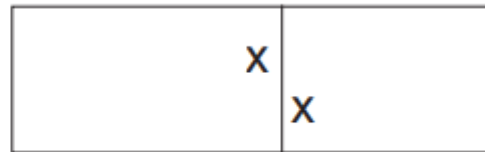
All electrical equipment is stamped or labeled with electrical ratings usually found on the back or bottom of the equipment. Verify voltage and either amperage or wattage from the information provided. Standard office and household items operate on 110/120 volt power. Machinery and equipment typically require 208 or 480 volt power.

For Lighting

Verify the wattage of the bulbs in the lights and multiply by the number of bulbs/lights. LOCATION OF POWER IN YOUR BOOTH In-Line and Peninsula Booths Power will be installed in one location, typically on the floor somewhere along the back of the booth, as indicated in the following diagrams: (We cannot guarantee that the outlet will be specifically located in the middle.) Labor rates are based on current wage scales and are subject to change in the event of a wage increase after rates have



IN-LINE BOOTHS / PENINSULA

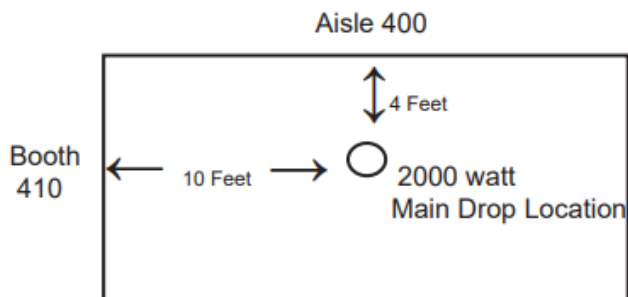


BACK TO BACK PENINSULA

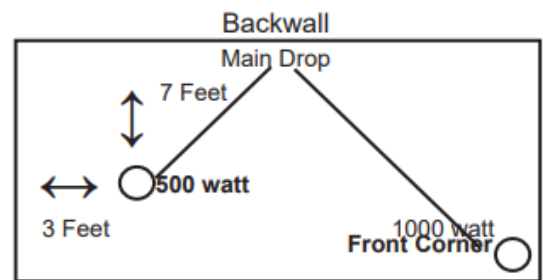
If power is required in locations other than indicated above, secondary distribution will be required and billed on a time and material basis. Please complete and submit an Electrical Labor Order Form with your power order, along with a floor plan as described below.

Island Booths/Multiple Outlets

Floor plans are always required for Island Booths and orders for multiple outlet locations. The floor plan must indicate booth dimensions, surrounding booth numbers for orientation within the facility, each outlet location, required wattage or amperage and location for main drop. If power location in an island booth is not provided prior to show move-in, a location will be determined by Freeman in order to maintain delivery schedules. Relocation of the service will be charged on a time and material basis. See examples below: A grid is available at cyberservices.com to print as a base layout.



Island Booth with one outlet



10 X 20 Booth with multiple outlets
Labor Required

OTHER:

1. Labor is required for any and all electrical work over and above the installation of the main power drop. Please see the Electrical Labor form for complete details. **Please complete the labor order form.**
2. Dismantle labor will be automatically charged at 35% of the installation time and rounded to the next half hour.
3. All material and equipment provided by PES is for rental purposes only and remains the property of PES. All equipment will be removed at the close of the show by PES.
4. All equipment regardless of power source, must comply with Federal, State and local codes as well as any applicable local recognized electrical authorities and standards. PES reserves the right to inspect all electrical devices and connections to ensure compliance with all codes and proper permitting. PES is required to refuse connections where the exhibitor wiring is not in accordance with local electrical code and permitting.
5. Standard wall and other permanent building utility outlets or sockets are not part of booth space and may not be used by exhibitors unless electrical services have been ordered.
6. Exhibitors' cords must be a minimum of 14 gauge 3 wire with ground and must be flat when used for floorwork. All multi-outlet devices (eg - power strips) must have circuit protection. All exposed non-current carrying metal parts of fixed equipment, which are liable to be energized, shall be grounded.
7. Exhibitors' equipment will be modified to conform to PES receptacles. If an outage is the result of an exhibitors' equipment, then a labor charge may be assessed. Labor and materials to install or change a cord cap or fix an outage will be billed on a time and material basis.
8. Exhibitors with hard wall displays must arrange for power to be installed inside the booth or provide access.
9. Power sharing is not permitted between exhibitors.

As an exhibitor, should you choose to provide equipment with electrical connectors to plug directly into PACK EXPO Services electrical equipment, the following list provided will ensure the proper connection:

- 500 Watts to 2000 Watts - Standard U-Ground Amp Cord Cap
- 20/30 Amp 120 / 208 / 480 5 Wire - Hubbell Male - HBL 2511 / L2120P
- 60 Amp 208v & 480v Daniel Woodhead 5 Wire - Male Y560P (Pin & Sleeve)
- 100 Amp 208v & 480v Mini-Cam - Male Leviton 15SDM - Female 15SDF
- 200 / 400 Amp 208v & 480v Large-Cam - Male Hubbell HBL 400PT EKE - Female Hubbell HBL 400CT

Please refer to the [Electrical FAQ's](#) for additional information.

To assist in estimating, we recommend that you refer to the name plate or stamp usually located on the back or bottom of any electrical apparatus and order the corresponding outlet for each piece of equipment to avoid tripping/power outages during the event.

Please note that there is a minimum of 500 watts per outlet. A 500 watt (5 amp) outlet cannot be split. A 1000 watt (10 amp) outlet can only be split one time. A 2000 watt (20 amp) outlet can only be split three times.

The formula for wattage is voltage x amperage (120 volt x 1 amp = 120 watts)

Example: 5 - 100 watt light bulbs = (5 x 100 = 500 watts)

The following wattages are approximate and are provided to help you estimate your power usage.

ITEM.....	ESTIMATED WATTAGE
Arm Lights.....	75-100
Card Reader (credit) / Lead Retrieval.....	50
Charging Furniture – PES Event Collection.....	500
Charging Furniture – PES Furnishings.....	500 per port (1000 max)
Computer	250-500
Computer – Laptop	100
Blu-Ray / DVD Player	50-100
Heater (Portable).....	500
Heat Press for T-Shirts.....	2000
iPhone/Android	20
iPad/Tablet	25-50
Kitchen Appliances	500-2000
Laminator	2000
LED Panels	500-1000
Projector.....	1000
Refrigerator (Small)	500
Refrigerator (Large)	1000
Steamer	2000
Stereo	100-500
Vacuum Cleaner	1500
Water Cooler	1000
TVs/Monitors.....	1000 (update television line)
Espresso Machine.....	30amp/208 volt, single phase



Electrical Labor

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- Dismantle labor will be charged at 35% of the total install time rounded to the next half hour.
- Show Site price applies to all labor orders placed at show site.
- Start time guaranteed only at start of working day.
- Please refer to the Hanging Sign Labor Order Form and/or the Truss & Theatrical Lighting Equipment & Labor Order Form for all hanging signs, truss, chain motors and other hanging needs.
- Review the list of work below to determine if electrical labor is required in your booth. None of the following services may be performed by other Unions or I & D houses as it falls under electrical jurisdiction. Time and material charges will apply. Please visit the PACK EXPO Services Service Center to confirm that you are ready for service.
- Note: For more information and an example of a completed floorplan please see the following page.

Electrical Labor Hours:

Straight Time: 8:00 am to 5:00 pm, Monday through Friday
 Overtime: 5:00 pm to 8:00 am, Monday through Friday; All day Saturday, Sunday and Holidays

Go to [Cyberservices](#) for fast, easy ordering.

ELECTRICAL LABOR

Item	Quantity	Advance Price	Standard Price	Total
Electrician - ST		\$123.45		=
Electrician - OT		\$243.15		=
Forklift w/ Operator - ST		\$396.10		=
Forklift w/ Operator - OT		\$628.60		=
Electrical Condor w/Crew - Blended Rate		\$794.80	\$896.75	
Electrical Scissorlift w/Crew - ST		\$519.40		
Electrical Scissorlift w/Crew - OT		\$675.45		

FLOOR WORK:

Floor work is the distribution of electrical under carpet and flooring.

OK TO PROCEED WITHOUT EXHIBITOR PRESENT

Complete before: Date _____ Time _____

Work is completed prior to your arrival. PACK EXPO Services must receive detailed blue prints/floor plans for power distribution under carpet.

Print Name: _____

Authorized Signature: _____

EXHIBITOR SUPERVISION (DO NOT PROCEED)

LABOR REQUEST

Date _____ Time _____ # Electrician _____ Est. # Hours _____ Floor Work _____ Booth Work _____

Name of On-Site Contact: _____ Cell Phone: _____

Special Instructions: _____

Authorizer's Signature: _____

BOOTH WORK:

Booth work is any of the following. Please check all that apply:

- Distribution of electrical overhead (more than one drop location in your booth).
- Distribution of electrical through booth structure.
- Mounting of plasmas/LCD monitors and lights.
- Connection or hard wiring of all exhibitor equipment.
- Lighting used as spot or flood lights.
- Assembly and installation of all lighting from truss or beams (including assembly and hanging of truss).
- Wiring of overhead signs.
- Installation of electrical headers and/or light boxes.
- Other: _____

SELECT WORK TYPE



Onsite Contact Information

Name: _____

Email: _____

Cell Number: _____

Electrical Floor Plan

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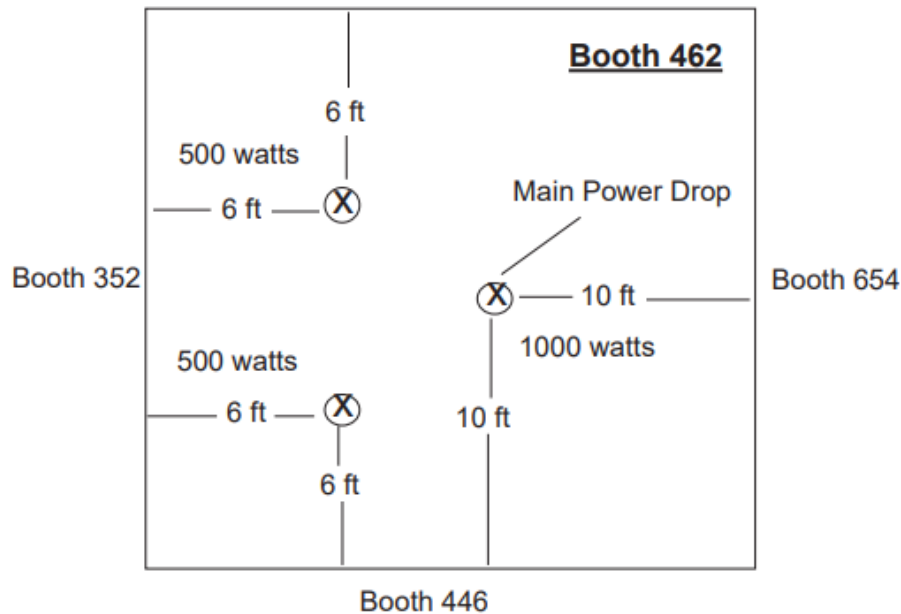
ELECTRICAL INSTRUCTIONS

- 1. Labor rates are based on current wage scales and are subject to change in the event of a wage increase after rates have been published.
2. A minimum charge of one hour is applicable to all labor requests. Additional time on the same day is billed in 1/2 hour increments.
3. Labor must be picked up at the PES Service Center. Charges for labor commence at time of dispatch to service the labor call.
4. Labor charges will include the time for electricians to gather the necessary tools and material for the job, have their work checked by the client and return the tools and material to the supply area.
5. Exhibitors may supply their own 14 gauge 3 wire, extension cords and/or power strips, both of which must be grounded and UL approved.

EXAMPLE OF PLAN AND INFORMATION REQUIRED TO COMPLETE FLOORWORK

Please indicate the following on the floor plan.

- 1. Location and load of main power drop - please provide specific dimensions and wattages/amperages.
2. Location and load of all outlets - please provide specific dimensions and wattage, amperage and voltage.
3. Booth orientation - please provide surrounding aisle and/or booth number



Exhibiting Company: _____

Booth Number: _____

Print Name: _____

Date: _____

Authorizer's Signature: _____