ETA’s High Amperage Power Distribution is the professional system designed for power hook-up of sound and lighting equipment.

**WARNING:** Do not remove cover. No user serviceable parts inside. Refer servicing and hook-up to qualified individuals only.

**DANGER:** Due to life threatening shock hazard, hook-up of this power distribution pack must be made by qualified electricians only.

**DANGER:** Shock hazard, disconnect power before removing lid, or for servicing.
The PD66 and PD620 are designed for use on Three Phase (3Ø) WYE 120/208V 4-pole 5-wire electrical service. With the ability to operate on Single Phase (1Ø) 120/240V 3-pole 4-wire electrical service, (easily configured internally).

DO NOT connect high voltage leg of DELTA type systems (the higher voltage will damage sensitive equipment connected this way)—see NOTE below.

The PD66 can provide up to 140 amps total, 40 amps on one leg, 50 amps each on remaining two legs (3Ø WYE 120/208V hook-up), OR *70 amps per leg (two legs) (1Ø 120/240V hook-up <internal configuration>).

The PD620 can provide up to 120 amps total, 40 amps per leg (three legs) (3Ø WYE 120/208V hook-up), OR *60 amps per leg (two legs) (1Ø 120/240V hook-up <internal configuration>).

* When using Single Phase, incoming supply lines MUST be sized to accommodate 20 amps more per leg than highest per leg rating (PD66-70 amps, PD620-60 amps).

**Minimum recommended AWG (American Wire Gauge) for electrical hook-up (90° C Copper Wire).**

<table>
<thead>
<tr>
<th>3Ø</th>
<th>1Ø</th>
<th>Position</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>#8 AWG</td>
<td>#6 AWG</td>
<td>Ground</td>
<td>Green</td>
</tr>
<tr>
<td>#8 AWG</td>
<td>#6 AWG</td>
<td>Neutral</td>
<td>White</td>
</tr>
<tr>
<td>#8 AWG</td>
<td>#6 AWG</td>
<td>Line 1</td>
<td>Black</td>
</tr>
<tr>
<td>#8 AWG</td>
<td>#6 AWG</td>
<td>Line 2</td>
<td>Red</td>
</tr>
<tr>
<td>#8 AWG</td>
<td>N/C</td>
<td>Line 3</td>
<td>Blue</td>
</tr>
</tbody>
</table>

Follow National Electrical Code, or Local Electrical Code when sizing input electrical supply lines.

**NOTE:** Delta systems have one (1) leg at a higher potential (208 Volts) in reference to neutral, sometimes termed “Crazy Leg”, or “High Leg” typically the orange color is reserved for designation of this line. Do not connect this leg into the PD66 or PD 620.
SERVICE (SUPPLY) CONFIGURATIONS

3Ø WYE  120/208V

L1-L2 = 208V
L2-L3 = 208V
L3-L1 = 208V
L1-N = 120V
L2-N = 120V
L3-N = 120V

3Ø DELTA  120/240V

L1-L2 = 240V
L2-L3 = 240V
L3-L1 = 240V
L1-N = 120V
L2-N = 120V
* L3-N = 208V

Ø = PHASE symbol

* DO NOT connect this leg to the PD66 or the PD620.
INPUT POWER CONNECTION FOR 120/240V SINGLE PHASE WIRING
(2 LEGS OF 120/240V 3Ø DELTA SYSTEM)

120/240 1Ø WIRING
- Move unit red wire from terminal block L3 terminal to L1 terminal (L1 will now contain three red wires)
- Move unit black wire from terminal block L3 terminal to L2 terminal (L2 will now contain three black wires)
- Increase supply lines gauge size to accommodate the ADDITIONAL 20 amps (2400 VA) on each leg
<table>
<thead>
<tr>
<th>Breaker</th>
<th>Outlet</th>
<th>Breaker</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 20 amp</td>
<td>No. 1 (2) NEMA 5-20R (Duplex Receptacle)</td>
<td>No. 1 20 amp</td>
<td>No. 1 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
<tr>
<td>No. 2 20 amp</td>
<td>No. 2 (2) NEMA 5-20R (Duplex Receptacles)</td>
<td>No. 2 20 amp</td>
<td>No. 2 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
<tr>
<td>No. 3 20 amp</td>
<td>No. 3 (1) NEMA 5-20R (Duplex Receptacle)</td>
<td>No. 3 20 amp</td>
<td>No. 3 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
<tr>
<td>No. 4 20 amp</td>
<td>No. 4 (1) NEMA 5-20R (Duplex Receptacle)</td>
<td>No. 4 20 amp</td>
<td>No. 4 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
<tr>
<td>No. 5 30 amp</td>
<td>No. 5 (Internal Terminal Block) (Accepts 3/4” strain relief)</td>
<td>No. 5 20 amp</td>
<td>No. 5 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
<tr>
<td>No. 6 30 amp</td>
<td>No. 6 (Internal Terminal Block) (Accepts 3/4” strain relief)</td>
<td>No. 6 20 amp</td>
<td>No. 6 (1) NEMA 5-20R (Duplex Receptacle)</td>
</tr>
</tbody>
</table>

PD66: Outlets No. 5 and No. 6 (internal terminal blocks) access openings will accept 3/4” strain relief(s).