



**Power  
Distribution  
Panels**

## Power Distribution Panels



15kw	::	6110-01-236-3829
25kw	::	6110-01-244-3209
30kw	::	6110-01-236-5890
60kw	::	6110-01-237-4637
100kw	::	6110-01-248-6671
200kw	::	6110-01-236-5889

### Theory of Operation:

United Electronics PDP's receives 60Hz power by way of a cylindrical connector on its outside panel. Power, at 120/208 volts, 3-phase, is distributed and controlled in a board under a weather resistant cover, or dead front panel. Individual 3-phase and single-phase circuit breakers control power output to military style Class L connectors and NEMA-style "twist lock" connectors, for connection by cables to users' equipment. **All circuit breakers are of the thermal-magnetic trip type**, which open if one or more phases is overloaded. In addition to the thermal-magnetic trip, all of the 20-ampere, single phase circuit breakers are of the Ground Fault Circuit Interruption (**GFCI**) type which trip when a small leakage circuit to the ground is detected.

### Expertly Designed:

**UNITED ELECTRONICS** Power Distribution Panels are designed to safely transfer power in harsh outdoor conditions. With ranges from 15kw to 200kw, all models use UEC's durable Class L connectors to accept 3 phase, 120/208 volt input and disperse it to other Class L connectors or NEMA wiring devices. All of our PDPs meet the highest standard of safety and durability.

### Construction:

**UNITED ELECTRONICS** builds the PDP cabinets with an aluminum alloy allowing them to be both sturdy and light weight. In fact, only the 100kw and 200kw models require more than one person to move them and the larger models are constructed in such a way that they can easily be moved by a forklift or sling. All units have been tested for extreme environment operations and can be powder coated in almost any military color scheme.