

Power Distribution Panel (PDP) - 30KW



Characteristics

Manufacturer:

PD Power Systems, LLC

Part No.:

PDSYS-PDP-30 (GSA No.)

NSN:

6110-01-236-5890

Dimensions:

Length (in.): 36

Width (in.): 18

Height (in.): 18

Weight (lbs.): 78

Temperature Range:

Operating Temperature: -25°F to +125°F

Storage Temperature: -65°F to +150°F

Capabilities and Features

The PD Power Systems 30KW PDP is designed to accept power at 120/208 VAC, 3-phase, utilizing a 100 amp Class-L connectors. Power is then distributed at 120/208 VAC 3-phase and 120 VAC 1-phase. The PDPs are used to provide power to equipment requiring 120/208 VAC electrical power.

Electrical power distribution consists of circuit breakers feeding an output connector and receptacles that permit connecting cable feeders for load centers. The circuit breakers protect the cables from excessive current flow. **The equipment is designed for safe operation and conforms to the NEC for outdoor use.**

Input: The 30kW PDP has one 100-amp, 4-pole, 5-wire connector. The input connector is a MIL-C-229922 male receptacle labeled J1 on the enclosure. The PDP is protected by an appropriately sized main circuit breaker.

Output: The 30kW PDP has two 60-amp, 4-pole, 5-wire, output connector and five 20-amp (NEMA L5-20R) receptacles.

The 60-amp output connector is labeled J2 and J3 on the enclosure. Each 60-amp output circuit is protected by an appropriately sized circuit breaker..

The 20-amp receptacles are labeled J4 through J8 on the enclosure. Each 20-amp output circuit is protected by an appropriately sized circuit breaker.

Circuit Breakers: The circuit breakers are thermal magnetic type. The 3-phase circuit breakers are 3-pole, molded case, common trip with a single operating toggle. The 1-phase circuit breakers are single pole, molded case, with a single operating toggle.. **The operating mechanism for all circuit breakers is over center, trip free operation, providing quick-make and quick-break operation.** When the circuit breaker is tripped, the operating toggle takes a position between ON and OFF.



For more information or for pricing, please email sales@pdpowersystems.com or call 1-866-460-7377.