Secondary Distribution Center 2/200 (SDC 2/200)

Characteristics

Manufacturer:
PD Power Systems, LLC

Part No.:
PDSYS-SDC150-2/200 (DLA No.)

NSN:
6110-01-694-9973

Dimensions:
Length (in.): 61
Width (in.): 48
Height (in.): 72
Weight (lbs.): 2,550

Temperature Range:
Operating: -25°F to +125°F
Storage: -65°F to 150°F

Capabilities and Features

The SDC accepts primary power and reduces the voltage for distribution. Primary power can be either from a commercial power plant, diesel engine driven prime power generator sets, or from another SDC. The SDC is designed to accept primary power at 4160VAC, 60Hz, or 3800VAC, 50Hz, 3-phase from any source utilizing Loadbreak Elbows and reduce the voltage (via a 150kVA transformer) to 120/208VAC, 50/60Hz, 3-phase for distribution.

The SDC is used to provide power for equipment, such as airfield lighting, shelters, hangers, remote area lighting systems, and other related equipment requiring 120/208VAC electrical power. The SDC is also equipped with two (2) additional sets of Medium Voltage Output Loadbreak Elbow connections (bushing wells). These connections are used for parallel operations with additional SDCs, forming a common bus.

In the event of loss of 4160 or 3800 volts primary power, the SDC can accept secondary power from an emergency power generator, called a Mission Essential Power (MEP) generator set. MEP generators feed through a circuit breaker to the secondary bus. The breaker is interlocked to inadvertently prevent feeding the secondary bus from two power sources.

Output Connections

Output Receptacles:	2-200 Amp
Output Convenience Receptacles:	2-15 Amp
MEP Input Connectors:	1-200 Amp
Loadbreak Elbow Input Connectors:	3-200 Amp
Loadbreak Elbow Output Connectors:	6-200 Amp

Optional Output Connections:
Part No.: PDSYS-SDC150-8/4
(Qty.: 8, 60A output receptacles; Qty.: 4, 100A output receptacles)
Part No.: PDSYS-SDC150-10/2
(Qty.: 10, 60A output receptacles; Qty.: 2, 100A output receptacles)
Part No: PDSYS-SDC150-16/2
(Qty.: 16, 60A output receptacles; Qty.: 2, 200A output receptacles)

Power Characteristics

Input:	4160VAC/3-phase/60Hz
	3800VAC/3-phase/50Hz
	208YVAC/3-phase/60Hz
Output:	208Y/120VAC/3-phase, 60/50Hz 3-wire
	208Y/120VAC/3-phase, 60/50Hz 4-wire
	208Y/120VAC/3-phase, 60/50Hz, 5-wire
Power Ratings:	150kVA; 416 AMPS

PD POWER SYSTEMS

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