

Primary Switching Center (PSC)



Characteristics

Manufacturer:

PD Power Systems, LLC

Part No.:

PDS-PSC-AR/AF (GSA No.)

PDS-PSC-AF (DLA No.)

NSN:

6110-01-493-3391

Dimensions:

Length (in.): 104

Width (in.): 72

Height (in.): 48

Weight (lbs.): 4,800

HZ Rating:

50HZ Rating: 12,000VAC 600A

60HZ Rating: 15,500VAC 600A

Capabilities and Features

The Primary Switching Center (PSC) provides for the distribution and safe isolation of the power output of 5kV medium voltage generators. The main component of the PSC is the internal S&C Vista Switch. The Vista Switch is enclosed within a housing that provides environmental protection and operator safety. Additionally, the design of the enclosure permits two PSCs to be stacked within a shipping frame for transportation and/or storage.

The PSC uses load-interrupter switches and vacuum fault interrupters for switching 600 amp IEEE-386 Deadbreak connectors. Four of the six connections are protected using a microprocessor-based overcurrent controller, which is reconfigurable and resettable.

The load-interrupter switches are three-position (closed-open-grounded), manually operated disconnect switches, each providing three-pole switching to isolate associated 600A Deadbreak connection points. The fault interrupters are the same style load interrupters (closed-open-grounded) with the addition of vacuum connected in series. A built-in voltage indicator is located under the viewing window for each disconnect. The indicator is isolated from the main 5kV voltage and uses a solar powered source to indicate the presence of voltage.

The PSC features six (6) individual three-phase disconnects. Each connection point, referred to as a Ways, is rated for 600 amps and all are bussed together on one side. Each 600A connection point is an IEEE-386 Deadbreak. All power connections in or out of the PSC are through either 600A Deadbreak or 200A loadbreak connections.



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