

DC POWER SYSTEMS

LARGE DC SYSTEMS

C&C Power's large DC systems are ideal for central office, telecom hotels, and other applications requiring 10-10,000 plus amps of current. Our large DC systems modular design allows the customer to build for their requirements today while easily expanding in the future.

We keep a large quantity of rectifiers in stock to facilitate quick deliveries- 2 weeks or less on most systems.

INTEGRATED DISTRIBUTION SYSTEM

IDS 1200

C&C Power's IDS 1200 integrated distribution system combines key DC power system components into a single, 1RU package for reduced size and ease of installation. The IDS incorporates 1200 watt rectifiers, a Commander Plus Series Controller, and DC distribution including low voltage load disconnect. The IDS 1200 delivers 44A N+1 power.

Multiple distribution options are available including circuit breakers, fused pullouts, and GMT style fuses.

POWER DISTRIBUTION PANELS

FA SERIES

Our FA Series can accommodate between 15 and 60 quick-change circuit breakers ranging from 1 amp to 100 amps per position. System capacities are available from 80 to 1200 amps in either single or split bus configurations with multiple low voltage load disconnect options.

Other standard features include a fused main battery disconnect which isolates the attached battery strings for added safety and protection while offering an easy means of disconnect for battery maintenance.

- Quick change circuit breaker design
- Low voltage load disconnect
- 7RU to 16RU, 23" rack mount
- Fully enclosed, front access design
- SNMP & web-based communication & control



1RU DISTRIBUTION

Our power distribution panels are capable of distributing between 150 and 700 amps in either single or dual bus configurations. They are also designed to fit either 19" or 23" racks while requiring only 1RU (1.75") of rack space.

Other standard features include two hole lug terminations with 1/4-20 studs and 5/8" spacing for main inputs.

- High density 1RU 19" or 23" rack mount
- Multiple busbar configurations
- More power in less space

RECTIFIERS

RECTIFIER MODULES

Our rectifiers offer excellent reliability in N+1 operations as a result of load sharing and fault tolerance. The ultra high power density of 27 watts per in³ will leave plenty of space to accommodate additional equipment in your power system. Available in 1200 and 2500 watt modules.

RECTIFIER SHELVES

C&C Power's rectifier shelves are designed to accommodate up to six 1200 watt, switch-mode, hot-swappable rectifiers to provide up to 133 amps of power at -48 VDC. Additional options include full alarms via Commander Plus Series Controller, and temperature compensation.

CONTROLLER

COMMANDER PLUS

The Commander Plus SNMP Controller provides intelligent control and monitoring of all operational parameters on any C&C DC power plant. A four-button keypad provides single point rectifier adjustment and easy input of all operating and alarm settings. The basic DC power plant information is constantly displayed on the bright, vacuum fluorescent display.

- Operating environment up to 65° C
- Time stamped log of last 50 events/alarms
- Single point rectifier adjustment
- Patented predictive battery failure



PATENTED



BREAKER/SWITCH DISCONNECTS

WALL MOUNT SERIES

C&C Power's breaker or switch disconnects provide a convenient means to disconnect batteries from the power system for servicing. When combined with the over-current protection of a breaker, the battery disconnect adds to the safety and reliability of the power system.

All of our breakers and switches are rated to 60 VDC max and breakers are 25,000 AIC. Our wall mount series can handle between 100 and 1,200 amps.

RACK MOUNT SERIES

Like the wall mount series, each rack mount disconnect is constructed of heavy duty, cold rolled steel with a durable black powder coat finish. Our rack mount options can handle between 100 and 700 amps. Available options include an emergency power off, return busbar, and low voltage disconnect.

FUSED DISCONNECTS

WALL MOUNT

C&C Power's fused disconnects provide a convenient means to disconnect batteries from the power system for servicing. Each fused battery disconnect comes standard with a single TPL/L17T style fuse pullout that is rated from 70-800 amps at 80 VDC max.

RACK MOUNT

Fused Disconnects provide a convenient means to disconnect batteries from the power system for servicing.

- 2RU 19" or 23" rack mount
- Durable black powder coat finish

CIRCUIT BREAKERS

CIRCUIT BREAKERS

C&C Power's circuit breakers feature options including 65 or 80 VDC voltage ratings, up to 50,000 AIC interrupting rating, and optional "snap in" installation for ease of use. Our quick change series offers ampere ratings from 1-100 amps. The ampere ratings of our large telecom PDS series breakers ranges from 100-1,200 amps.