

IDS 1200

Integrated Distribution Systems



- Commander Plus Series Controller
- SNMP & Web based communication & control
- Automatic temperature compensation
- Low voltage load disconnect
- Dynamic battery string testing with alarm
- 1RU 19" rack configuration

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 1200 incorporates 1200 watt rectifiers, a Commander Plus Series Controller, and DC distribution including low voltage load disconnect into a 1RU 19" rack mount package. Multiple distribution options are available including circuit breakers, fused pullouts, or GMT style fuses. Total system capacity is 66 amps at 48 volts or 44 amps with a redundant rectifier.

The Commander Plus Series Controller utilizes a four button keypad to navigate the intuitive menus which are displayed on the easy to read alpha numeric vacuum fluorescent display. The Commander Plus Series Controller includes SNMP communication and a web based interface to access system status and adjust system settings. The system provides automatic adjustment of rectifier output voltage when ambient temperature increases or decreases in order to optimize battery life and performance.

Other standard features include a circuit breaker main battery disconnect which isolates the attached battery strings for added safety and protection as well as offering an easy means of disconnect for battery maintenance. An EPO (emergency power off) circuit also allows for remote emergency shutdown of the system. Each system is listed to UL Standards and is CSA certified.

Part Number Configuration

81204 - P 1 B 21 C3

1 2 3 4 5 6

1. IDS 1200 Base Model Number

81204 = 19", 1RU, 5" Set Back
 81205 = 19", 1RU, 1.25" Set Back
 81206 = 19", 1RU, Flush Mount

2. Positive or Negative Ground

P = Positive Ground
 N = Negative Ground

3. AC Input

1 = Hardwire, 208/240 VAC, 1 Phase
 2 = Hardwire, 120 VAC, 1 Phase
 3 = L6-30P Cord, 208/240 VAC, 1 Phase
 4 = L5-30P Cord, 120 VAC, 1 Phase
 5 = (2) 5-15P, 120 VAC, 1 Phase
 6 = Hardwire, 208/240 VAC, 1 Phase, Dual Input

4. Distribution Type

B = Breakers
 F = Fused Pullouts
 G = GMT Fuses

5. Busbar and LVLD Configuration

00 = Single bus with no LVLD and no battery disconnect
 10 = Single bus with no LVLD
 11 = Single bus with LVLD
 12 = Single bus with redundant LVLD
 21 = Split bus with 1 LVLD per bus (Breaker and fused pullout versions only)

6. Commander Series Controller

C3 = Commander Plus SNMP Controller

IDS 1200 Integrated Distribution Systems

AC Input

Voltage: 90-264 VAC
 Current: 6.4 amps/rectifier @ 208 VAC
 12 amps/rectifier @ 120 VAC
 Frequency: 47-63 Hz
 Wire Size: #20-#10 AWG bare wire

DC Output

Voltage: 42-58 VDC
 Current per rectifier: 22.2A @ 54 VDC (180-264 VAC)
 18.5A @ 54 VDC (90-132 VAC)

Battery Input (48 VDC)

Two Pole Stud Block: 1/4-20 studs on 5/8" centers
 Wire Size: #2-#8 AWG with 2 hole
 compression lugs on 5/8" centers

General Specifications

Measurements: 19"W x 1RU x 22"D
 Weight (without rectifiers): 20lbs
 Operating Temperature: 0°C to 70°C

DC Distribution: Fused Pullouts

Maximum Circuits: 2
 Fuse Sizes: 1-125 amps
 Fuse Types: TLS or TPS
 Alarm Fuse: 18/100A GMT
 Output Terminal Blocks: Accept #20-#6 AWG wire

DC Distribution: Circuit Breakers

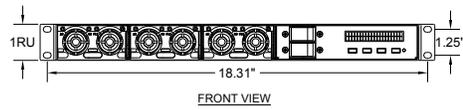
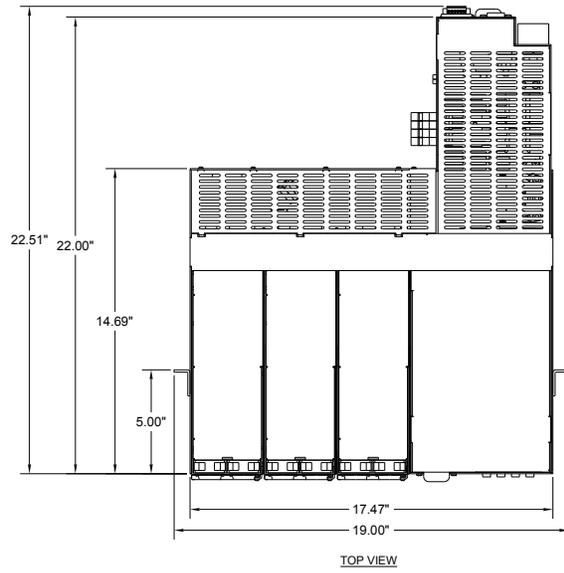
Maximum Circuits: 2
 Breaker Sizes: 1-60 amps
 Output Terminal Blocks: Accept #20-#6 AWG wire

DC Distribution: GMT Fuses

Maximum Circuits: 10
 Fuse Sizes: <1-15 amps
 Output Terminal Blocks: Accept #22-#16 AWG wire

Alarm Connections

Alarm Output: 6 pos. removable header
 Wire Size: #28-#16 AWG wire



Fused Pullout Distribution



Breaker Distribution



GMT Fuse Distribution