PD4000, PD4500, PD4135 Power centers.

- **Shore Cord**
- **Converter**
- **Charger**
- **Coach or House Battery**

**Inside the Power Center**

- **Ground Buss**
- **Neutral Buss**
- **AC Main Breaker**
- **Branch AC Breakers**
  - 20
  - 15
  - 15
- **Converter Charger**
- **DC Distribution Fuses**
- **DC powered items:**
  - Lights
  - Water pumps
  - Slide outs controls

**Chassis of RV or Trailer/Master System Ground**

- **Black AC Hot** carries AC current.
- **White AC Neutral** carries AC current.
- **Red DC positive** carries DC current.
- **Blue DC negative** carries DC current.
- **Green Safety grounds** do not carry current unless there is a fault.
- **Dashed Black** is chassis which may or may not carry the – DC side. It is grounded to the AC shore cord in case of a hot wire touching the chassis.

**Output**

- **12.6 to 14.4 VDC Output**
AC Current flow path

PD4000, PD4500, PD4135 Power centers.

12.6 to 14.4 VDC Output

Inside the Power Center

Chassis of RV or Trailer/Master System Ground

Ground Buss

Neutral Buss

AC Main Breaker

Branch AC Breakers

Converter Charger

DC Distribution Fuses

Inline Breaker Or Fuse

Coach or House Battery

DC powered items:
- Lights
- Water pumps
- Slide outs controls

Black AC Hot carries AC current.
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Red DC positive carries DC current
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PD4000, PD4500, PD4135 Power centers.

DC Current flow

Inside the Power Center

Shore Cord

Ground Buss
Neutral Buss
AC Main Breaker
Branch AC Breakers
Converter Charger

Converter
Charger

15 20 15

Converter
Charger

DC powered items:
Lights
Water pumps
Slide outs
controls

DC Distribution Fuses

Inline breaker
Or Fuse

12.6 to 14.4 VDC Output

Coach or House Battery

Chassis of RV or Trailer/Master System Ground

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