



## CyberCogs CC-PDU100 Power Distribution unit Product Specifications

### HARDWARE SPECIFICATIONS

- **Dimensions:** 305w x 152d x 100h (mm)
- **PDU input:**
  - BMS input:** 425VDC maximum
- **PDU outputs:**
  - F-EDM output:** 120Kwatts
  - DC/DC & OBC input/output:** 14Kwatts
  - HVAC output:** 5Kwatts
  - Coolant PCT output :** 10Kwatts
  - Air PTC output:** 7.5Kwatts
- **Connectors:**
  - BMS input/output connector: HVSL14000SSA1D8S6
  - F-EDM connector: HVSL1400022AXD8S6 (optional)
  - DC/DC & OBC connector: HVSL362022TB
  - HVAC connector:HVSLW282022B1
  - Coolant PTC connector: HVSL362022TA
  - Air PTC connector: HVSLW282022A1
- **Safety Ratings:**
  - ASIL C compliant
  - FMVSS 305 Compliant
- **Functional Rating:**
  - SAE J1772 Conducting Charging standards
- **MTBF:** greater than 8 years

### HARDWARE SPECIFICATIONS

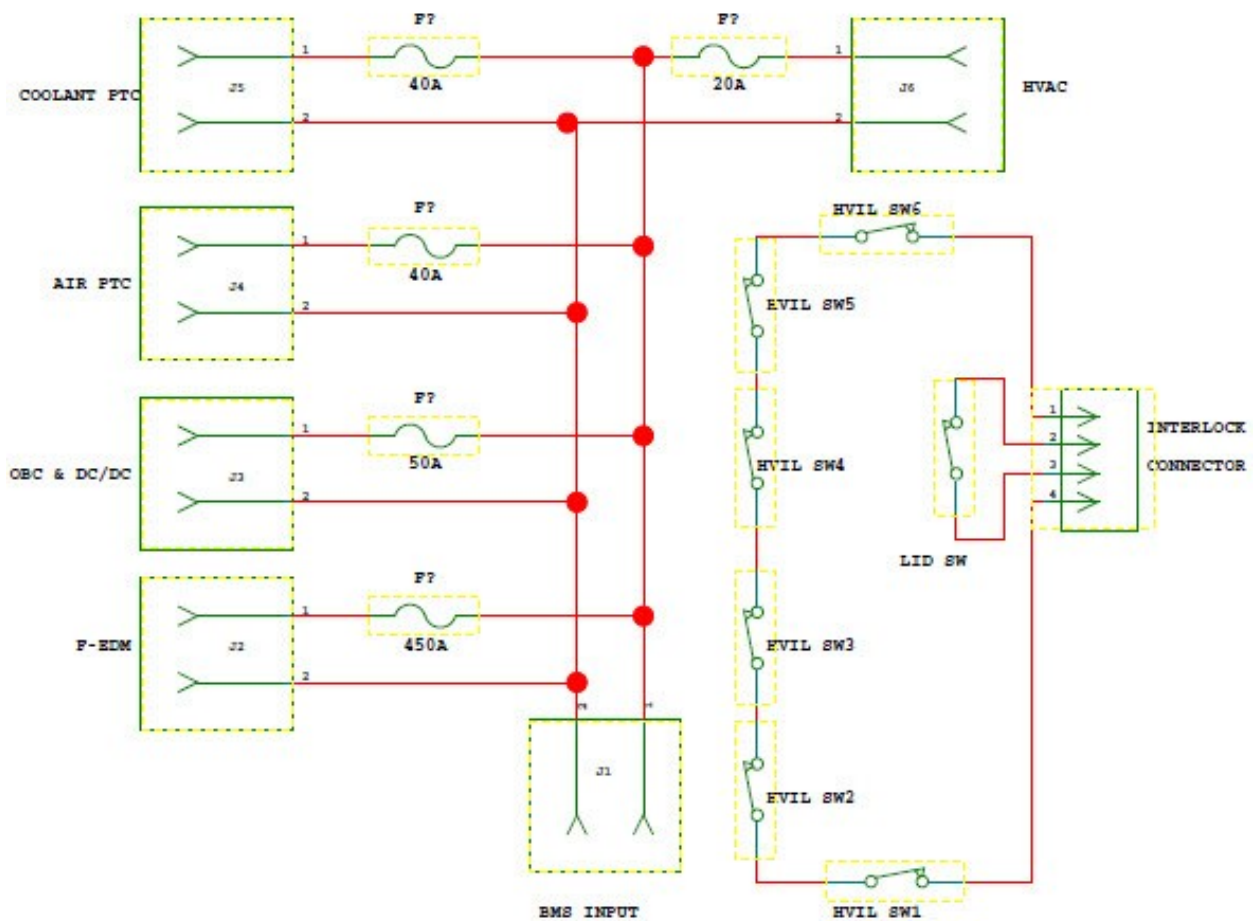
- **Input Protection:**
  - Lid open detection switch
  - HVIL interlock on all connectors (Note: series wired)
- **Output Protection:**
  - Serviceable fusing on all outputs
- **Environmental:**
  - Operating temperature: -40 to 85 deg. CS
  - torage temperature: -40 to 100 deg. C
- **Package:**
  - Sealed Aluminum package with heatsink top
  - IP67 Rating
- **Mounting:**
  - 4 M6 or ¼-20 screws
  - Horizontal and Vertical Mounting
- **Cooling:**
  - Passive Conductive Heatsinking

### ADDITIONAL FEATURES

- USA designed and manufactured

## CyberCogs CC-PDU100 simplified schematic Diagram

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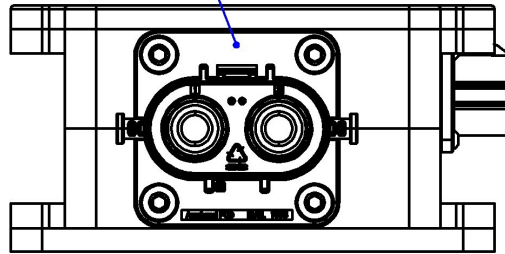
## CyberCogs CC-PDU100 depictions Product Specifications





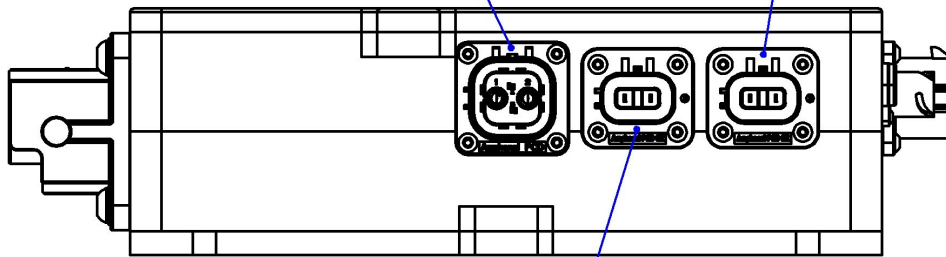
## CyberCogs CC-PDU100 connector description Product Specifications

INPUT FROM BATTERY



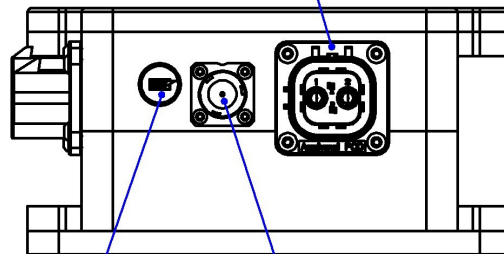
PTC COOLANT HEATER  
40 AMPS

HVAC COMPRESSOR  
20 AMPS



CABIN/AIR PTC HEATER  
30 AMPS

CHARCON  
50 AMPS



GORE PRESSURE  
VENT

LOW VOLTAGE HVIL



## CyberCogs CC-PDU100 Dimensional Drawings Product Specifications

