

**FEATURES**

- **9V to 36V DC Input**
- **Isolated DC Output**
- **Multiple Output Voltage Versions**
- **100W Maximum Output Power**
- **88% Efficiency**
- **Extended Temperature Range**
- **No Cooling Fans Required**
- **AAR Binding Post Wire Connections**
- **AREMA 11.5.1 Class C Compliant**
- **Power Module Meets UL60950-1**
- **Standard B2 Sized Mounting Plate**



**DESCRIPTION**

The 100W DC to DC Converter is a high efficiency power supply that can handle input voltages from 9VDC to 36VDC. Multiple output voltages are available (see ordering information below). It is designed to operate from -40C to +70C ambient with no cooling fans. Over temperature and input voltage range, and with load transitions from 10% to 100%, the supply will maintain output voltage regulation to within +/-2%.

The DC-DC Converter is mounted on a nonconductive (GPO3 laminate) standard B2 relay base. This allows for easy installation in train control racks.

**PROTECTION FEATURES**

- Output Over-Voltage Protection (115%)
- Continuous Short Circuit Protection
- Output Current Limit (110%)
- Over Temperature Shutdown (110°C)

**ELECTRICAL SPECIFICATIONS**

Input Voltage \_\_\_\_\_ 9V<sub>DC</sub> to 36V<sub>DC</sub>  
 Maximum Input Power \_\_\_\_\_ 115W  
 Output Voltage \_\_\_\_\_ See table below  
 Output Voltage Tolerance \_\_\_\_\_ +/-2%  
 Maximum Output Power \_\_\_\_\_ 100W  
 Min Operating Temperature \_\_\_\_\_ -40 °C  
 Max Operating Temperature \_\_\_\_\_ +70 °C  
 Maximum External Fuse Size \_\_\_\_\_ 20A

**MECHANICAL SPECIFICATIONS**

Height \_\_\_\_\_ 5in  
 Width \_\_\_\_\_ 9.5 in  
 Depth \_\_\_\_\_ 2.75 in  
 Weight \_\_\_\_\_ 1 lbs

**ORDERING INFORMATION**

Desired DC Output Voltage	Catalog Number
5V	SiPS-5V-100W-DCDC
12V	SiPS-12V-100W-DCDC
15V	SiPS-15V-100W-DCDC
24V	SiPS-24V-100W-DCDC
28V	SiPS-28V-100W-DCDC
48V	SiPS-48V-100W-DCDC

