FEATURES
- 9V to 36V DC Input
- Isolated Output
- 600W Maximum Output Power
- 90% Efficiency
- Extended Temperature Range
- No Cooling Fans Required
- 4 Configurable 150W Modules
- AAR Binding Post Wire Connections
- Form-C Contact for Trouble Alarms
- AREMA Class C Environmental
- Power Modules Meet UL 60950-1

DESCRIPTION
The 15V, 600W DC to DC Converter is a high efficiency power supply that can handle input voltages from 9VDC to 36VDC. It is designed to operate from -30°C to +70°C ambient with no cooling fans. Over the temperature and input voltage range, and with load transitions from 10% to 100%, the supply will maintain the output voltage within +/-2%. It is primarily used for loads that require battery back-up with tight input voltage tolerances and low input voltage noise level requirements.

The unit features 4 modules that can be populated on the board to provide output power levels of 150W through 600W. This allows the user to produce the needed power at the lowest cost.

The power supply contains a display meter, consisting of three, seven-segment displays that are used to display the output current, output voltage, and input voltage in a scrolling fashion. A push button is present to allow the user to freeze the scrolling to monitor one of the three meters. A green LED indicates proper supply operation.

The design also includes an alarm relay used for indication. The alarm relay contact will be normally closed during standard operation. If a fatal fault exists that prevents the power supply from sourcing the proper current at the proper voltage, the alarm relay contact will open.

PROTECTION FEATURES
- Under Voltage Lock Out ( < 9VDC )
- Output Current Limit
- Output Over-Voltage Limit
- Over Temperature Shutdown ( 100°C )

ELECTRICAL SPECIFICATIONS
Input Voltage ................................................. 9VDC to 36VDC
Maximum Input Power .................................. 680W
Output Voltage ............................................. 15VDC +/-2%
Maximum Output Power ................................. 600W@15 VDC
Min Operating Temperature ............................ -30°C
Max Operating Temperature ............................ +70°C
Alarm Relay Contact Rating ......................... 5A
Maximum External Fuse Size ......................... 75A

MECHANICAL SPECIFICATIONS
Height .......................................................... 5.22 in (3U)
Width .......................................................... 19.0 in
Depth .......................................................... 4.25 in
Weight .......................................................... 5 lbs

ORDERING INFORMATION
<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>DC-DC Converter 1 Module (150W)</td>
<td>SiPS-15V-1x150W-DCDC</td>
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<tr>
<td>DC-DC Converter 2 Modules (300W)</td>
<td>SiPS-15V-2x150W-DCDC</td>
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<tr>
<td>DC-DC Converter 3 Modules (450W)</td>
<td>SiPS-15V-3x150W-DCDC</td>
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<tr>
<td>DC-DC Converter 4 Modules (600W)</td>
<td>SiPS-15V-4x150W-DCDC</td>
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<tr>
<td>150W Individual Power Module Kit</td>
<td>SiPM-150W-KIT</td>
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