8862 SERIES

DC/DC Converters: 70 Watt

Features

• Switched mode design.
• DC input options: 12V, 24V, 36V, 48V, 110DC.
• Regulated output.
• Short circuit protection.
• Thermal protection.
• Fully isolated output.
• Panel mounting.
• Suitable for mobile communications and industrial applications.
• Emission: EN50081-1
• Immunity: EN50082 - 1

Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Input DC</th>
<th>Output V</th>
<th>Output A</th>
<th>Out (pk)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8862-12/12</td>
<td>12V</td>
<td>13.2V</td>
<td>3.0A</td>
<td>4.0A</td>
</tr>
<tr>
<td>8862-12/24</td>
<td>12V</td>
<td>24V</td>
<td>1.7A</td>
<td>2.2A</td>
</tr>
<tr>
<td>8862-12/48</td>
<td>12V</td>
<td>48V</td>
<td>0.7A</td>
<td>0.8A</td>
</tr>
<tr>
<td>8862-24/12</td>
<td>24V</td>
<td>13.2V</td>
<td>6.0A</td>
<td>10.0A</td>
</tr>
<tr>
<td>8862-24/24</td>
<td>24V</td>
<td>24V</td>
<td>3.0A</td>
<td>4.0A</td>
</tr>
<tr>
<td>8862-24/36</td>
<td>24V</td>
<td>36V</td>
<td>2.5A</td>
<td>3.0A</td>
</tr>
<tr>
<td>8862-24/48</td>
<td>24V</td>
<td>48V</td>
<td>1.5A</td>
<td>2.0A</td>
</tr>
<tr>
<td>8862-36/12</td>
<td>36V</td>
<td>13.2V</td>
<td>6.0A</td>
<td>8.0A</td>
</tr>
<tr>
<td>8862-36/24</td>
<td>36V</td>
<td>24V</td>
<td>3.0A</td>
<td>4.0A</td>
</tr>
<tr>
<td>8862-48/12</td>
<td>48V</td>
<td>13.2V</td>
<td>6.0A</td>
<td>8.0A</td>
</tr>
<tr>
<td>8862-48/24</td>
<td>48V</td>
<td>24V</td>
<td>3.0A</td>
<td>4.0A</td>
</tr>
<tr>
<td>8862-48/48</td>
<td>48V</td>
<td>48V</td>
<td>1.5A</td>
<td>2.0A</td>
</tr>
<tr>
<td>8862-80/12</td>
<td>110V</td>
<td>13.2V</td>
<td>6.0A</td>
<td>8.0A</td>
</tr>
<tr>
<td>8862-80/24</td>
<td>110V</td>
<td>24V</td>
<td>3.0A</td>
<td>4.0A</td>
</tr>
</tbody>
</table>

INPUT VOLTAGE: 12 VDC (10-16)
24 VDC (18-32)
36 VDC (30-48)
48 VDC (40-64)
110 VDC (75-140)

OUTPUT VOLTAGE: See selection table.

OUTPUT CURRENT: See selection table.

OUTPUT POWER: Typically 70W continuous, 110 intermittent.

OUTPUT VOLTAGE ADJ: 10% internal pot.

LOAD REGULATION: 5% at nominal input voltage.

LINE REGULATION: 5% over input range.

OPERATING TEMP: -20°C to 40°C at full load derate linearly to 60°C

SWITCHING FREQUENCY: Approx. 50KHZ.

EFFICIENCY: Typically 80%.

PROTECTION: Reverse input polarity.
Transorb diode at input.
Overvoltage protection.
Short circuit protection.
Thermal protection.
Unit will switch off automatically at input over or under voltage protection.

RIPPLE & NOISE: Typically 10mV rms at nominal load and input voltage.

ISOLATION: Input and output are electrically isolated from chassis and input is isolated from output. Isolation voltage - 1000 VDC

EMC: EN50081 - 1

IMMUNITY: EN50082 - 2

TERMINALS: Input and output have 6.3mm push on spade terminals.

DIMENSIONS: 135 x 119 x 46mm.

WEIGHT: 0.6Kg.

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