

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

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

| MODEL | Input DC | Output | | Out (pk) |
|------------|----------|--------|------|----------|
| | | V | A | |
| 8862-12/12 | 12V | 13.2V | 3.0A | 4.0A |
| 8862-12/24 | 12V | 24V | 1.7A | 2.2A |
| 8862-12/48 | 12V | 48V | 0.7A | 0.8A |
| 8862-24/12 | 24V | 13.2V | 6.0A | 10.0A |
| 8862-24/24 | 24V | 24V | 3.0A | 4.0A |
| 8862-24/36 | 24V | 36V | 2.5A | 3.0A |
| 8862-24/48 | 24V | 48V | 1.5A | 2.0A |
| 8862-36/12 | 36V | 13.2V | 6.0A | 8.0A |
| 8862-36/24 | 36V | 24V | 3.0A | 4.0A |
| 8862-48/12 | 48V | 13.2V | 6.0A | 8.0A |
| 8862-48/24 | 48V | 24V | 3.0A | 4.0A |
| 8862-48/48 | 48V | 48V | 1.5A | 2.0A |
| 8862-80/12 | 110V | 13.2V | 6.0A | 8.0A |
| 8862-80/24 | 110V | 24V | 3.0A | 4.0A |

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