

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 V	Output A	Out (pk)
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



8862 series

