

ALL PSU DATA SHEET.

60 Watt Encapsulated DC/DC Converter SI60W1 Single Output.

- Output Power 60W max.
- Input / Output Galvanically Isolated
- π -Filtering At Input
- Overload And Over Temperature Protected
- Copper Case
- For High Ambient Temperatures (125°C) And Long Life
- Wide Input Range

Standard Models (Other Input / Output Versions Available)

Input Range	Typically +/- 25 %			
Input Voltage Order Code	2	4	5	7
Input Voltage DC (Nominal Value)	12V	24V	48V	110V
Input / Output	Isolated			
Power Rating	Max. 60 W			
Output Voltage Order Code	1	2	3	4
Output Voltage (Standard Options)	5V	12V	15V	24V
Output Current	10A	5A	4A	2,5A
Accuracy	Typ.1%			

Note : At 12V input voltage = max. 75% output power.

- Specification

- (after warm-up-time at 25°C)

- Input Voltage Range At Full Load	12 VDC (9V-18V) 24 VDC (16V-36V) 48 VDC (36V-60V) 110VDC (83V-130V)
- Output Voltage Accuracy @ 50% Load	typ. 1%
- Regulation	
- Load Variation 10-90% static	typ. 0,4%(max.1,0%)
- Input Voltage Variation	typ. 0,5%(max.2,0 %)
- Recovery Time	100 μ s (max. 500 μ s)
- Efficiency @ Full Load And Nominal Input 24V / 24V	typ. 90%
- Output Ripple	1% pp.max.
- Input Ripple	1% pp max.
- Storage Temperature Range	-40°C...+125°C
- Operating Temperature	-40°C...+125°C
- Derating Above 85°C	2,5% / °C
- Temperature Coefficient	0,01 %°C
- Humidity	100 % RH
- Switching Frequency	ca./approx. 150kHz
- Isolation Input / Output	1000 VDC / 1 min.
- Isolation Capacity Input / Output	typ.200 pF
- Isolation Resistor	1G Ohm

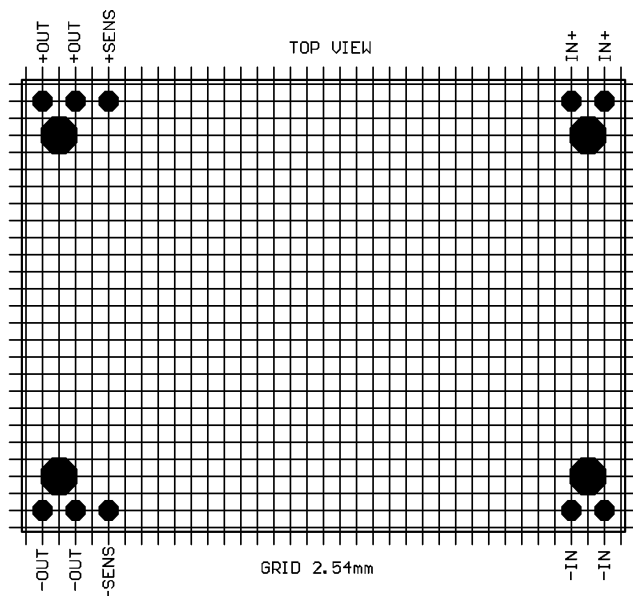
ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111,
Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk

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Cont 60 Watt Encapsulated DC/DC Converter SI60W1

- Output Short-Circuit Protected	By Switch-Off Auto Recovery.
- Overvoltage Protection	standard
- Level For 5V Output	- ca./approx. 6,5V
- Level For 12V Output	- ca./approx. 16V
- Level For 15V Output	- ca./approx. 19V
- Level For 24V Output	- ca./approx. 27V
- Ingress Protection Level	IP68

Pin-Out



PCB Mounting Version Shown.

Part Number Order Example
SI60W 1 - 4 2

Unit Series = SI60W1
Single Output
Input Voltage (24V)
Output Voltage (12V)

- **Dimensions And Mechanical / Connection Options.**
- **Size 94mm x 67mm x 18mm**
- Pin Diameter Approx.: 1.3mm (Option Of Faston Style Connections).
- 4 x M3 Screw Terminals Option For Input And Output Connections
- Chassis / Cold Wall Mounting Plate Option.

Notes :

- Other Input / Output Voltages Or Special Modules On Request.
- Higher Output Currents On Request.
- Higher Break Down Voltage (Input / Output) On Request.
- The Units Are Available With Earth-Pin On Request.
- Subject To Technical Changes.

*Further DC to DC Converters Are Available From 0.5 to 600 Watts.
Please Contact The ALL PSU Sales Office For Details
Or Visit Our Web Site At www.allpsu.co.uk*

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