

ALL PSU DATA SHEET.

600 Watt Encapsulated Step Up Converter, SV3601 Series.

- High Reliability
MTBF > 300K Hrs
- M6 Terminal, Faston Or Solder Terminal
- Efficiency Up To 95 %
- Short Circuit Protection
- Overtemperature Protection
- 5V Remote Control
- Step-Up Technology Non Isolated.

STANDARD MODELS (Non standard input or output options may be available).

DC Input Order Code	2	4
Input Range	9 – 18 VDC	18 – 32 VDC
Output Power	600W	
Output Voltage Order Code	4	5
Output Voltage	24V	48V
Output Current	25A	12A
Output Voltage Accuracy	Typ.1%	
Other Input Voltages	On Request	
Other Output Voltages	On Request	

Specification

(after warm-up time @ 25°C)

Regulation	
- Load Variation 0 – 90 % static	typ. $\leq \pm 1,0\%$ (max.3,0%)
dynamic	typ. $\leq \pm 2,0\%$ (max.5,0%)
- Input Voltage Variation $\pm 10\%$	typ. $\leq \pm 0,5\%$ (max.1,0%)
- Recovery Time To $\pm 1\%$	typ. 50ms (max.100 ms)

- Ripple And Noise	< 2% V _{Nenn}
- Efficiency @ 24V Input	$\geq 93 \%$ / @ 36 V Out $\geq 90 \%$ / @ 48 V Out

- Storage Temperature Range	-40°C...+125°C
- Operating Temperature Range	-10°C...+125°C
- Derating Above 105°	5 %/°C
- Temperature Coefficient	< 0,01 %/°C
- Humidity	100 % RH
- MTBF	> 300K Hrs

Switching Frequency	ca./approx. 100 kHz.
Short Circuit Protection By	Switch Off

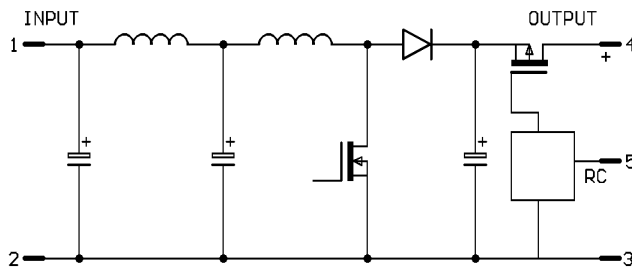
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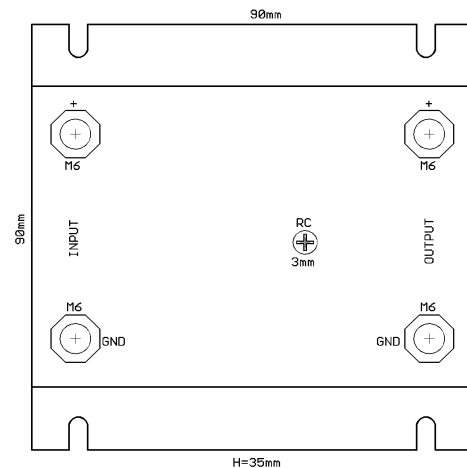
Cont ... 600 Watt Encapsulated Step Up Converter, SV3601 Series.

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Circuit Block Diagram



Mechanical Drawing



Dimensions 90 x 90 x 35 mm

Part Number System

SV3601 - X Y

Series SV3601

X = Input Voltage Code.

Y = Output Voltage Code.

As A Step Converter The Output Voltage Is Higher Than The Input Voltage.

Other Units In this Series Are Available From 40 to 120 Watts With Isolated Outputs, And From 120 To 600 Watts Non Isolated.

For More Information On This Or Other Products Please Contact The ALL PSU Sales Office.

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