



Type : SDC 60/30-12

Product Range : Step-Down DC/DC  
Converter

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**Description :** Versatile switching regulator with a single adjustable, stabilized output from a DC Source. The efficiency is essentially independent of input voltage, output current need not be derated with increasing input voltage.  
The open version guarantees many possibilities for mounting

**Features:**

- Adjustable output voltage
- Short circuit protection
- Connecting in parallel
- Stand-by function
- Remote ON/OFF
- High efficiency

## Specification

### Input

Input voltage range: : 10...60Vdc  
No load input current : 40mA  
Remote ON/OFF : Inhibit >3V , Operate <1V

### Output

Output voltage : 4.5 to 30Vdc (set with R7)  
Output current : 0...12A  
Tolerance: : < 3%  
Line regulation: : <2%  
Ripple and noise : 150mVpp  
Temperature coefficient : 3mV/°C  
Input/Output Differential : 3.5V( Uin > 15V), 5V(Uin < 15V)  
Remote sense : Remove JP2 for remote sense operation  
Output current limit (factory set) : 17A ±10%

### General

Efficiency : 75% typical  
Switching frequency : 25KHz  
Weight : 0,4 kg  
Dimension W x H x D : 127 x 24 x 136 mm

### Environment

Thermal performance : 0°C to +50°C Max. Heat sink temperature : +80°C  
Relative humidity : Non - condensing 5% to 80%

Safety : acc. to EN 60950

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subject to change without notice

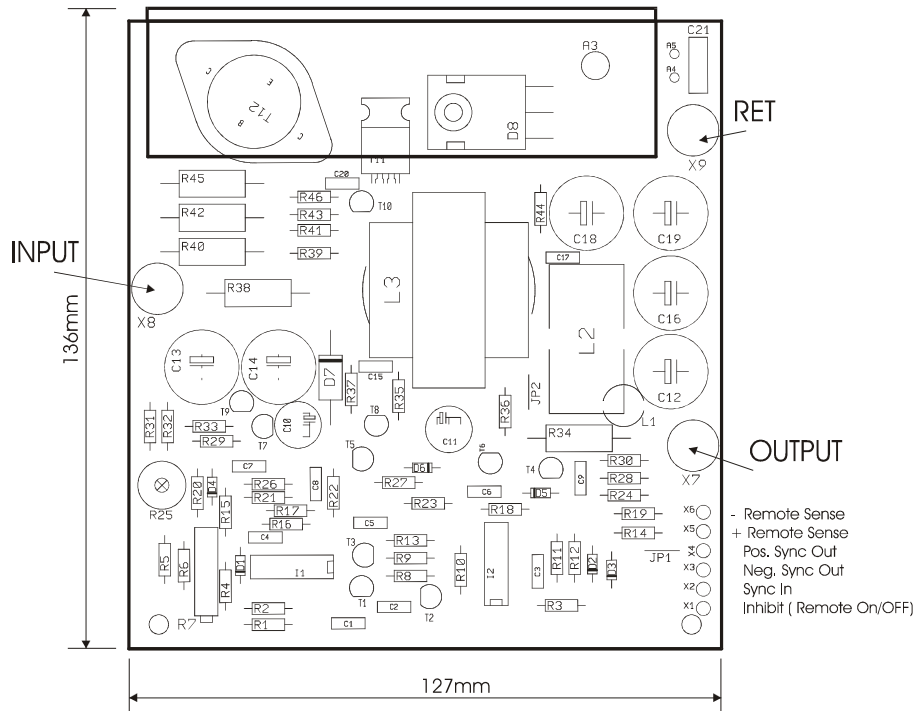
### Mechanical notes

remove JP1 for synchronising device by master converter  
remove JP2 for sense operation

only + sense :                   no changes on PCB  
- sense ( and + sense) :       remove JP2

### Important Hints

With the help of spacers the module should be fixed at the heat sink  
The efficiency of the heat sink must be sufficient.  
The contacts (INPUT+, OUTPUT+ and GND) will be guaranteed by stud bolts (diameter: 4mm). The feedthrough are intended for the signal contacts



Pin Connections	X8:	Input Voltage
	X7:	Output Voltage
	X9:	RET
	X6:	- Remote Sense
	X5:	+Remote Sense
	X4:	Pos. Sync Out
	X3:	Neg. Sync Out