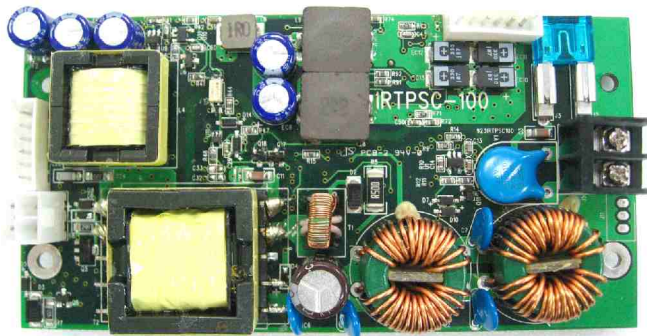


## DC To DC Power Units

# IRT-WP12-48

Isolated 9~36V to 24V/12V/5V/3.3V 48W DC/DC Converter Module

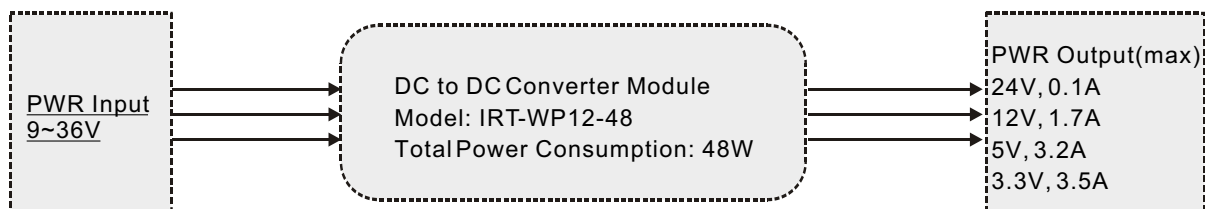


### Features

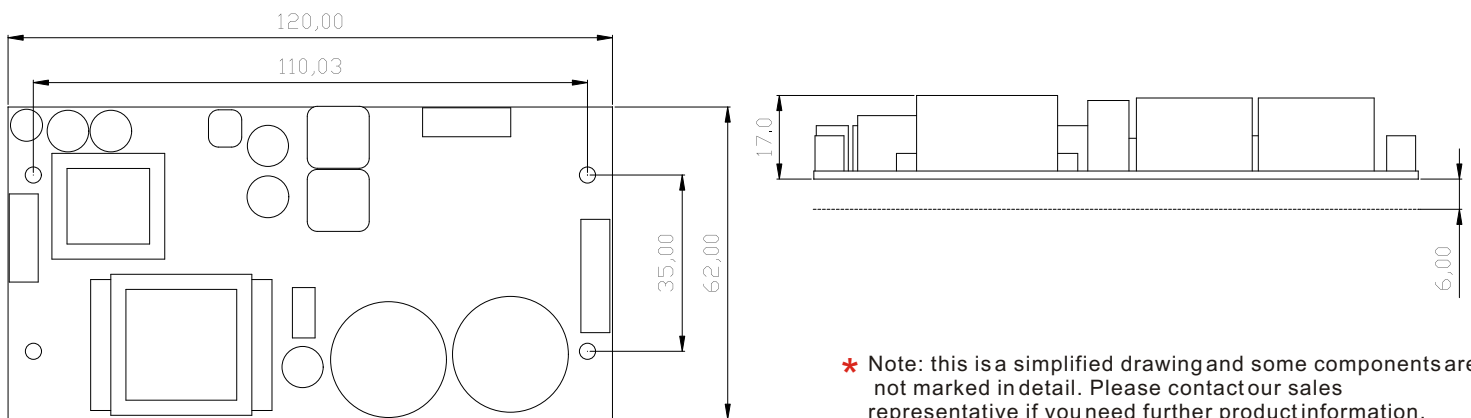
- High efficiency DC-DC Converter
- Low inrush current
- Output over-current protection
- Wide range voltage input
- No minimum load required
- RoHS Compliant

### GENERAL

Applicable to general system with 24V/12V/5V/3.3V DC requirement



### MECHANICAL



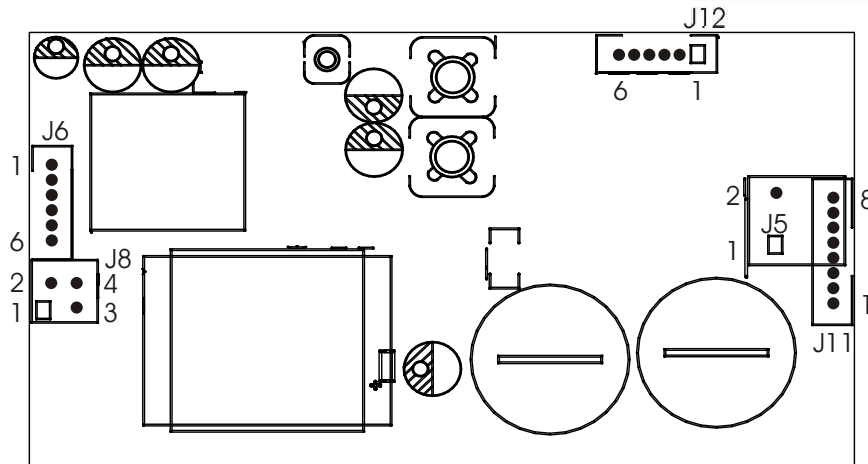
### Specifications

<b>Input Voltage</b>	:	9V to 36V DC
<b>Load Range</b>	:	24V:0.1A 12V:1.7A 5V:3.2A 3.3V:3.5A
<b>Ripple And Noise</b>	:	24V: Less than 240mV 12V: Less than 120mV 5V:Less than 50mV 3.3V: Less than 33mV
<b>Line Regulation</b>	:	Less than ±1% at rated 9~36V input voltage
<b>Load Regulation</b>	:	Less than ±5%
<b>Efficiency</b>	:	80% minimum, measured at nominal input voltage 9~36V and full loading
<b>Altitude</b>	:	0 to 10000ft
<b>Protection</b>	:	OCP protection
<b>Operating Temp.</b>	:	0°~50°C
<b>Storage Temp.</b>	:	-20°~+70°C
<b>Humidity</b>	:	10~90% non-condensing
<b>Dimension</b>	:	120 x 62 x 23 (mm)

# IRT-WP12-48



Isolated 9~36V to 24V/12V/5V/3.3V 48W DC/DC Converter Module



\* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

## Pin Assignment:

### J5: Power Jack

Connector Type : Terminal Block 2P DT-29

Pin	Symbol
1	DC 9~36V Input
2	-VIN

### J6: DC 24V/12V output 1

Connector Type : 1\*6p P: 2.50mm DIP 180° Molex87427

Pin	Symbol
1	24V
2	12V
3	GND
4	GND
5	GND
6	12V

### J8: ATX 4P Output Connector

Connector Type : P:4.2mm DIP180°

Pin	Symbol
1	GND
2	GND
3	12V
4	12V

### J11: DC Input

Connector Type : 1\*8p P: 2.50mm DIP 180°

Pin	Symbol
8	-VIN
7	-VIN
6	NC
5	DC 9~36V Input
4	DC 9~36V Input
3	NC
2	GND
1	GND

### J12: DC 5V/3.3V Output

Connector Type : 1\*6p P: 2.50mm DIP 180° Molex87427

Pin	Symbol
1	3.3V
2	3.3V
3	GND
4	GND
5	5V
6	5V

Rev.	Reasons	Revised Date
1.1	Spec change	Jun-30-09