

## **DC 5-12V 120W Mini ZVS Low Voltage Induction Heating Power Supply Module Induction Heating Board With Ignition Coil**

Specification:

Input voltage: 5v-12v 20A

Module dimension:5.5\*4\*2 cm(L\*W\*H)

Product Weight: 119g

Coil size: length:7.5cm

width: 2.8cm

Features:

-ZVS heating power supply module including heating coil

-Input voltage DC5V-12V(We are not guarantee the module will work when the voltage is over 12V or less than 5V)

-Maximum power 120W(when 12V eddy-current heating)

-Ensure all the components welding right,power line connect in right way,than to set up an electric circuit.

-The width of the heated object is as far as possible between the  $\frac{1}{3}\sim\frac{1}{2}$  of the inner diameter of the heating coil,

the maximum not more than  $\frac{2}{3}$ !

1. This tapless mini board ZVS finished board, without heating coil, high voltage package, cooling fan, etc.

2. This kit requires certain hands-on skills and related knowledge. If you can't even use a soldering iron and the power supply's positive and negative poles can't be separated, it is recommended not to shoot. There is a problem with the photo, the seller will not bear it

Any responsibility!

3. The maximum power is 120W (when 12V induction heating). When the high voltage package is 12V and the primary 5+5 turns, it is about 30W.

4. The input voltage is DC5V~12V, this voltage range is the voltage when working, not the voltage when the power supply is no-load! (The seller does not guarantee normal operation if the voltage exceeds 12V

or is lower than 5V. If the input voltage is not within this range, the seller will not be responsible for any problems!) When using batteries and battery power supplies, you must ensure that the voltage is above 4.5V when working! If you cannot ensure that the voltage is always above 4.5V during work, do not use batteries or batteries for power supply! Do not use dry batteries!

5. Confirm that all components are welded correctly, and the positive and negative poles of the power cord are not reversed. After connecting the load (heating coil, high-voltage package), then power on! No power on without load! No-load power on is easy to damage!

6. PCB board size: length \* width \* thickness 55mm\*37mm\*1.6mm

[http://v.youku.com/v\\_show/id\\_XMTI3MzYyO](http://v.youku.com/v_show/id_XMTI3MzYyO)

TkwMA==.html?firsttime=60&from=y1.4-2

12V test address

#### 8. Heating coil

The width of the heated object should be as far as possible between  $1/3 \sim 1/2$  of the inner diameter of the heating coil, and the maximum should not exceed  $2/3$ ! The diameter of the heating object should be controlled within 20mm as far as possible. If it is too large, it will be more difficult to heat to redness, after all, the power is limited. In induction heating, the power is cut off for 5 minutes to cool. Because the current is relatively large during induction heating, the heating of the coil is relatively large. When heating, part of the heat generated by the heated object will be transferred to the heating coil, and the temperature of the heating coil will be very high over time. If the heating coil is connected to the terminal, it will melt the plastic part of the terminal! Therefore, it is best to solder the heating coil directly to the PCB during induction heating. Please pay attention to this point. For long-term use, it is recommended to use copper tubes as coils and pass water for cooling.

9. The current when pushing the high voltage package and induction heating is related to the input voltage, the number of primary turns, the number of turns of the heating coil, and the volume of the heated object. Our test is for reference only! Blue LED power indicator, there is no electricity, you will know if the light is on or not! The possible reasons why the indicator light does not light are:

1. The wire is not connected properly and the power supply is not powered on.
2. The board is damaged.

When the indicator light is dark, it should be because the power of the power supply is insufficient, and a higher power power supply needs to be replaced. Tapless ones are more suitable for induction heating, and the heating coil can be soldered to the PCB in this way

