

# 1. Power Supply Overview 电性能指标:

## 1.1 Table 1 Input Electrical Characteristics Overview (输入特性)

Input voltage range 输入电压	90Vac to 264Vac
Normal voltage range 标称输入	100Vac to 240Vac
Frequency range 频率范围	50Hz/60Hz ± 5%
Max input ac current 满载输入电流	5Amax at full load condition
Inrush current (cold start) 浪涌电流	50A <sub>typ</sub> peak, 120Vac; 100A <sub>typ</sub> peak, 220Vac
Efficiency(full load) 效率	84%min at 90Vac; 88%min at 220Vac
Harmonic current 谐波电流	Meet GB17625.1-1998/IEC61000-3-2 class D
Leakage Current 泄漏电流	Less Than 0.75mA, 230Vac input
Standby Power Loss 待机功耗	≦ 1W, 240Vac input 带 50mA 负载
Input Fuse 输入保险	T8AH/250Vac

## 1.2 Output Electrical Characteristics Overview (输出特性)

### 1.2.1 Table 2 Output Voltage ,Current & Regulation. (输出调整率)

Output Voltage 输出电压	Regulation 调整率	Min. current 最小电流	Rated current 额定电流	Peak current 峰值电流
+24V	+24V ± 5%	0.3A	16A	22A
+12V	+12V ± 5%	0.2A	2.0A	5A
+5V(SB)	+5V ± 5%	0.01A	0.5A	1A
+5V	+5V ± 5%	0.05A	4.5A	6A

Note:\* pulse width within 100ms 脉宽小于 100 毫秒

### 1.2.2 Table 3 DC Output Ripple & Noise. (输出纹波和噪声)

Output Voltage	Ripple & Noise (Max.)
+24V	240mVp-p@25°C ; 350mVp-p@-10°C
+12V	120mVp-p@25°C ; 200mVp-p@-10°C
+5V +5V (SB)	60mVp-p@25°C ; 200mVp-p@-10°C ; 150mVpp when STB

Note: 1) Measurements shall be made with an oscilloscope with 20MHz bandwidth.

示波器须设置在 20 兆赫兹带宽

2) Outputs shall be bypassed at the connector with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor to simulate system loading.

离电源板大于 30CM 处输出电源端并联 0.1uF 的陶瓷电容和 10uF 的电解电容来模拟负载测试

POWER BOARD FOR 52"-57" LCD TV				DESCRIPTION: (规格书) <b>SPECIFICATION</b>	
FINDER ELECTRONICS				Model No. : <b>PB5257</b>	
DATE	PREPARED	CHECKED	APPROVED	Document No. :	REV:
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**2. Weight (重量) 3. Dimension (物理尺寸)**

\* 1000±50g

\* 300mm X 170mm X 35mm (长 L \* 宽 W \* 高 H, Fig 5).

**4. Pin Connection (连接器脚位定义)****Table 4 Pin-CON2\CON 5 Connection And Function**

NO.	Pin Connection	Function
①	GND	+24VDC RETURN
②	GND	+24VDC RETURN
③	GND	+24VDC RETURN
④	GND	+24VDC RETURN
⑤	GND	+24VDC RETURN
⑥	+V1	+24VDC OUTPUT
⑦	+V1	+24VDC OUTPUT
⑧	+V1	+24VDC OUTPUT
⑨	+V1	+24VDC OUTPUT
⑩	+V1	+24VDC OUTPUT

Note: CON2/CON5 -- JST VA CONNEETION, TYPE : 2.5mm

**Table 5 Pin-CON4 Connection And Function**

NO.	Pin Connection	Function
①	GND	GND
②	GND	GND
③	+5.0V	+5.0VDC OUTPUT
④	+5.0V	+5.0VDC OUTPUT
⑤	STB	SMPS ON/OFF CONTROL (ON = HIGH)
⑥	5.0VSB	+5.0VDC OUTPUT
⑦	+5.0V	+5.0VDC OUTPUT
⑧	+5.0V	+5.0VDC OUTPUT
⑨	GND	GND
⑩	GND	GND
11	GND	GND
12	+12V	+12VDC OUTPUT
13	+12V	+12VDC OUTPUT

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Note: CN1 -- JST VA CONNEETION, TYPE : 2.5mm

**Table 6 CON3/CON6 Connection And Function**

N0.	Pin Connection	Function
①	+24V	+24V OUTPUT
②	+24V	+24V OUTPUT
③	GND	+24V RETURN
④	GND	+24V RETURN

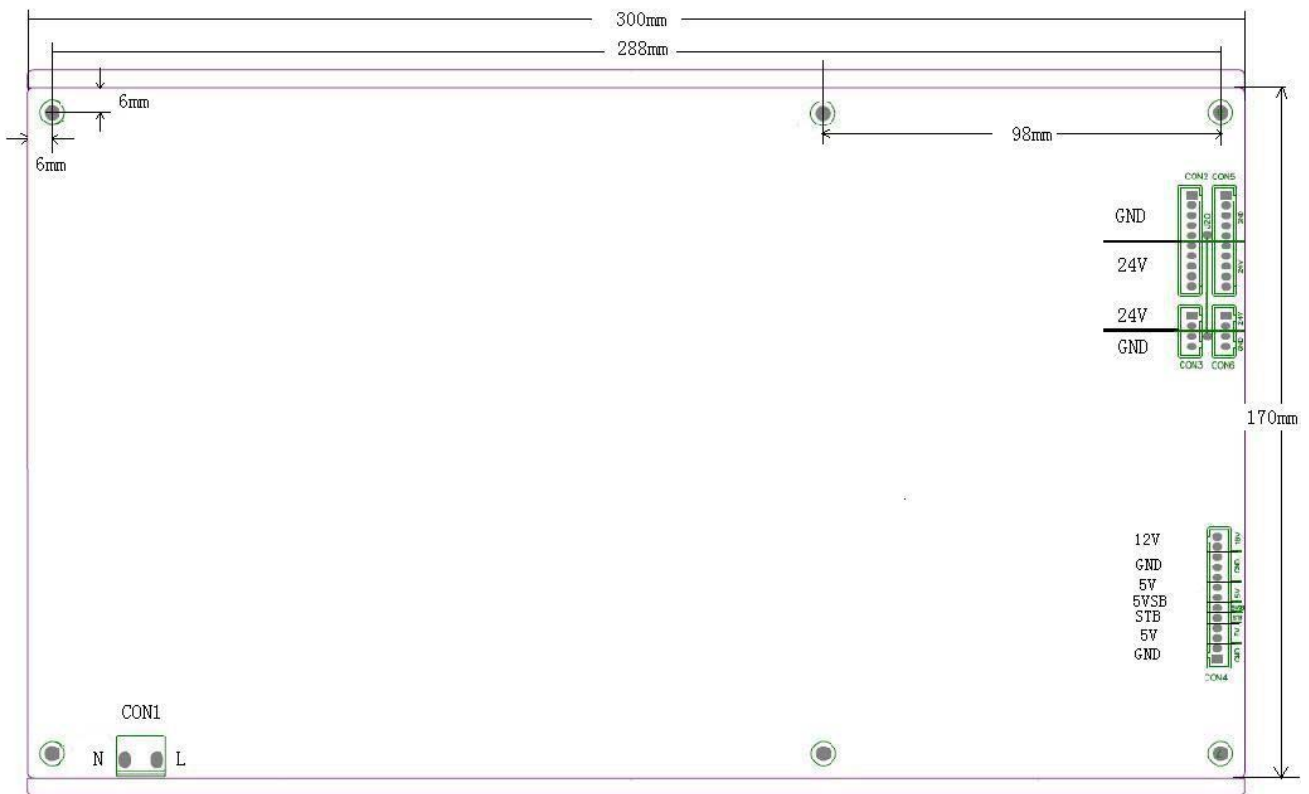
Note: CON3/CON6 -- JST VA CONNEETION, TYPE : 2.5mm

**Table 7 C0N1 Connection And Function**

N0.	Pin Connection	Function
①	AC-L	AC INPUT LINE
②	AC-N	AC INPUT NUTURE

Note: CON1 -- JST VA CONNEETION, TYPE : 3.96mm

## 5. Power Supply Mounting (安装尺寸)



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