



FOR APPROVAL

承认书

产品名称/Type	Enclosed Switch-Mode Power Supply 封闭式开关电源	
产品型号/Model	ESE350-XX	
产品编码/ Product code:	DW350KXXXX	
输入电压/Input voltage	<input type="checkbox"/> 100-120VAC <input type="checkbox"/> 220-240VAC <input checked="" type="checkbox"/> 100-240VAC <input type="checkbox"/> 其他 VAC	
输出模式/Out type	<input type="checkbox"/> 恒流/C.C <input checked="" type="checkbox"/> 恒压/C.V	
绝缘等级/Insulation	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II	
防护等级/IP Grade	<input checked="" type="checkbox"/> IP20 <input type="checkbox"/> IP65 <input type="checkbox"/> IP____	
安装方式/Installation	<input type="checkbox"/> 独立式/Independent <input checked="" type="checkbox"/> 内装式/build-in <input type="checkbox"/> 插墙式/Plug-in	
RoHS	符合欧盟 RoHS 要求 Conform to RoHS	
客户/CUSTOMER		
客户编号/ Customer part NO.		
客户认可回签(章) AUTHORIZED SIGNATURE &COMPANY CHOP		
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批准/Approved by:	刘维勋	日期 Date 2012.01.10

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DZ-YF3-002-02D

封闭式开关电源 ESE350 系列

一. KEY FEATURES (产品特点)

- ▲AC input range selectable by switch (交流输入范围通过开关切换)
- ▲Forced air cooling by built-in DC fan (内置直流风扇强制风冷)
- ▲Protections: short circuit/over load/over voltage/over temperature (保护功能: 短路/输出过载/输出过压/过温)
- ▲Cooling fan ON-OFF auto control. (冷却风扇自动控制)
- ▲Dimension: 215X115X50mm (尺寸: 215X115X50mm)
- ▲2-Years Product Warranty (2年产品保证)
- ▲APPLICATIONS : apply for networking, transportation systems, electric system, industrial control , instrumentation, consumer electronics, communication apparatus, banking, navigation gear, military sectors, and so on. (应用领域: 信息网络、运输系统、电力系统、工业控制、仪器仪表、消费类电子、通信设备、金融设备、航海设备和军工等多个领域。)

二. ELECTRICAL SPECIFICATIONS (电气规格)

Model NO: (型号)	ESE350-5	ESE350-12	ESE350-24	ESE350-36	
Max Output Wattage (最大输出功率) (W)	300W	348W	350.4W	350.4W	
Input (输入特性)	Voltage(输入电压范围) Note. 2	100-120VAC/200-240VAC by switch			
	Frequency(Hz) (输入频率范围)	47-63 Hz			
	Current(Full load) (输入电流在输出满载时)	6.5Amax.(115VAC) 4Amax.(230VAC)			
	Inrush Current(浪涌电流)	20A MAX.(115VAC)/ 40A max.(230VAC)			
	Leakage Current(漏电流)	<3.5mA/240VAC			
Output (输出特性)	Voltage(VDC) (输出电压)	5V	12V	24V	36V
	Voltage Accuracy (电压精度)	±2%	±2%	±1%	±1%
	Current(Convection) (输出电流) (A)	60	29	14.6	9.72
	Line Regulation(电压调整率)	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation(负载调整率)	±1.5%	±1%	±1%	±1%
	Minimum Load(最小载)	0%	0%	0%	0%
	Efficiency(typ)(典型效率)	76%	84%	85%	86%
	Voltage ADJ.Range(输出电压可调范围)	4.75-5.5V	10.8-13.2V	22.8-26.4V	32.4-39.6V
	Ripple & Noise (max) (纹波与噪声) Note.3	100mV	120 mV	150 mV	200 mV
	Hold-up Time(输出保持时间)	20 ms			
Protection (保护特性)	Over Load(输出过载)	105-140%rated output power			
		Protection type: Auto recovery(保护类型: 自动恢复)			
	Over Voltage Protection(输出过压)	5.6-6.8V	13.3-16.3V	26.5-32.5V	39.7-48.9V
		Protection type :Auto recovery(保护类型: 自动恢复)			
	Short circuit Protection(短路)	Protection type: Auto recovery(保护类型: 自动恢复)			
Over Temperature(过温)	RTH1≥70℃FAN ON;≤50℃FAN OFF;OTP≥110℃(肖特基温度) Note.4				
	Protection type: Auto recovery(保护类型: 自动恢复)				
withstand	Input-Output(V.AC)(输入-输出)	3000V			

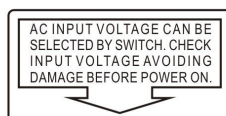
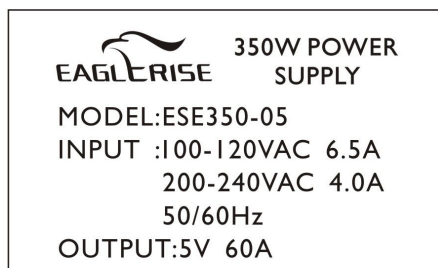
Product Specification

Model NO: ESE350-XX

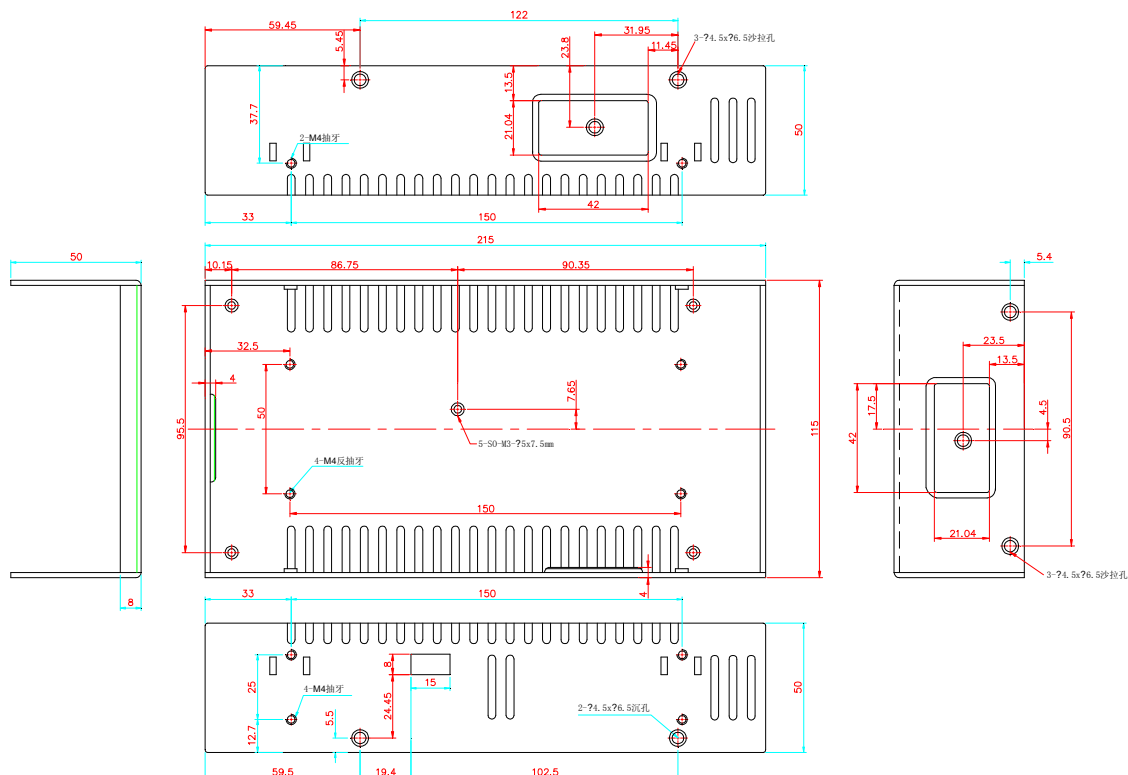
voltage(耐压)	Input-FG(V.AC)(输入-地)	1500V
	Output-FG(V.AC)(输出-地)	500V
Isolation resistance (绝缘阻抗)	Input-Output, Input-FG, Output-FG:100Mohms/500vdc	
Environment (环境特性)	Operating Temperature(工作温度)	-10℃...+60℃ (Refer to output load derating curve)
	Storage Temperature(存储温度)	-20℃...+85℃
	Temperature Coefficient(温度系数)	±0.03%/℃(0-50℃)
	Humidity(湿度)	95%RH
	MTBF	>200,000h @25℃(MIL-HDBK-217F)
	Vibration(振动)	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes
feature (特征)	Dimension (尺寸)(LXWXH)	215X115X50mm
	Weight(重量)	1110g
Safety & EMC (安规与电磁兼容)	Safety standards (安全标准)	UL60950,EN60950
	EMI(Conducted Radiated Emission) (传导与辐射干扰)	EN 55011 classB EN55022 class B
	EMS Immunity(抗干扰)	EN55024 EN61000-6-2
	Harmonic current(谐波电流)	EN61000-3-2
Note (备注)	<p>1:All parameters NOT specially mentioned are measured at 230VAC input, rated and 25℃ of ambient temperature(所有的参数无特别说明的都是在额定的输入交流 230V 和 25℃ 的环境温度下测得.</p> <p>2:Derating may be needed under low input voltages, Please check the derating curve for more details(在低电压输入时需要按下表检查降额曲线)</p> <p>3.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uf & 47 uf parallel capacitor.(纹波与噪声测试的标准:用双绞线测试在 300mm 处并联 0.1uf 与 47 uf 的电容,示波器用 20MHz 带宽.</p> <p>4.The temperature sensor for controlling the built-in DC FAN is an NTC resistor, while the thermal switch is used for OVP; The RTH1 for Model NO :ESE350-05 is 60℃ rather than 70℃(控制内置 DC 风扇启停的温度传感器是 NTC 电阻,而 过温保护使用的是温度开关; ESE350-05 型号的 RTH1 是 60℃ 而非 70℃)</p>	

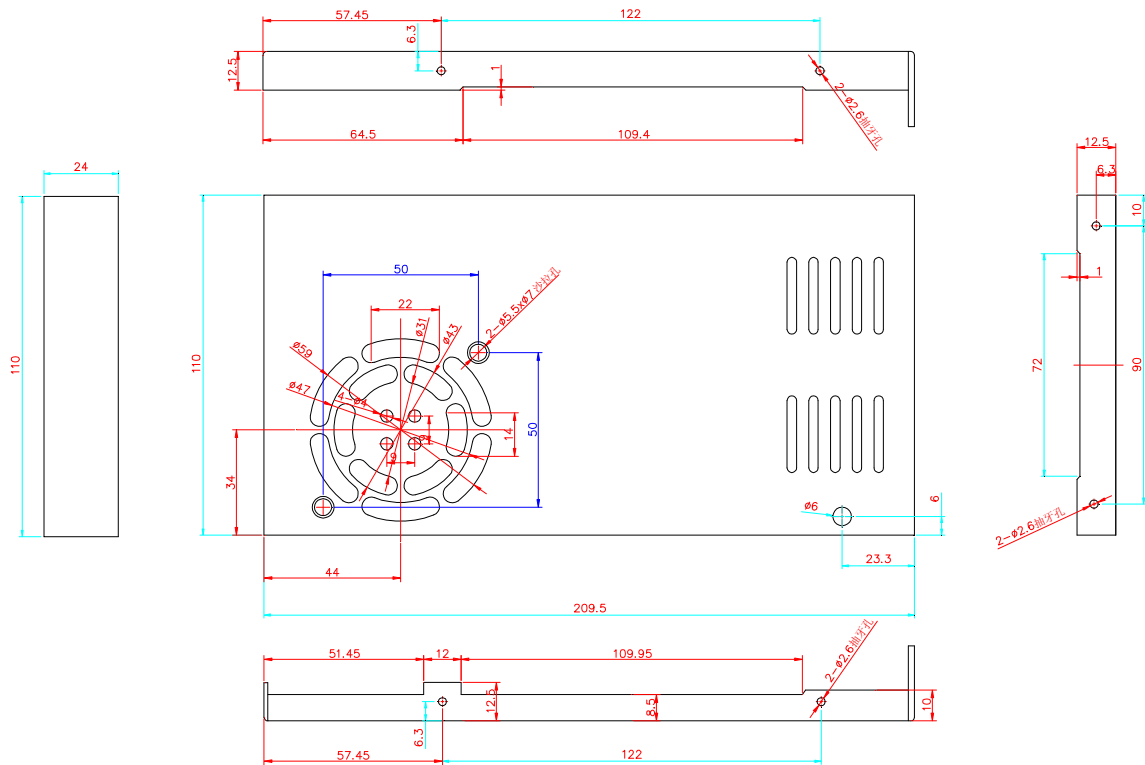
三. TAGS & MECHANICAL SPECIFICATIONS (标签和机械规格)

1. TAGS(标签)-- Take Model NO:ESE350-05 for Example(以 ESE350-05 为例)



2. MECHANICAL SPECIFICATIONS(机械规格)





PinNo	Assignment	PinNo	Assignment
1	AC/L	4, 5,6	DC OUTPUT+ V
2	AC/N	7,8,9	DC OUTPUT -V
3	FG		

四.DERATING(降额曲线)

