



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	ESE150-12M	
产品编码/ Product code:	DW150K1900	
输入电压/Input voltage	<input type="checkbox"/> 100-120VAC <input type="checkbox"/> 220-240VAC <input type="checkbox"/> 100-240VAC <input checked="" type="checkbox"/> 其他 200-240VAC	
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 type="checkbox"/> Class I <input checked="" 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/built-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		
编制/Drew up by:	李巨光	日期 Date 2012-08-13
批准/Approved by:	熊川高	日期 Date 2012-08-13

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DZ-YF3-002-02D

一.KEY FEATURES (产品特点)

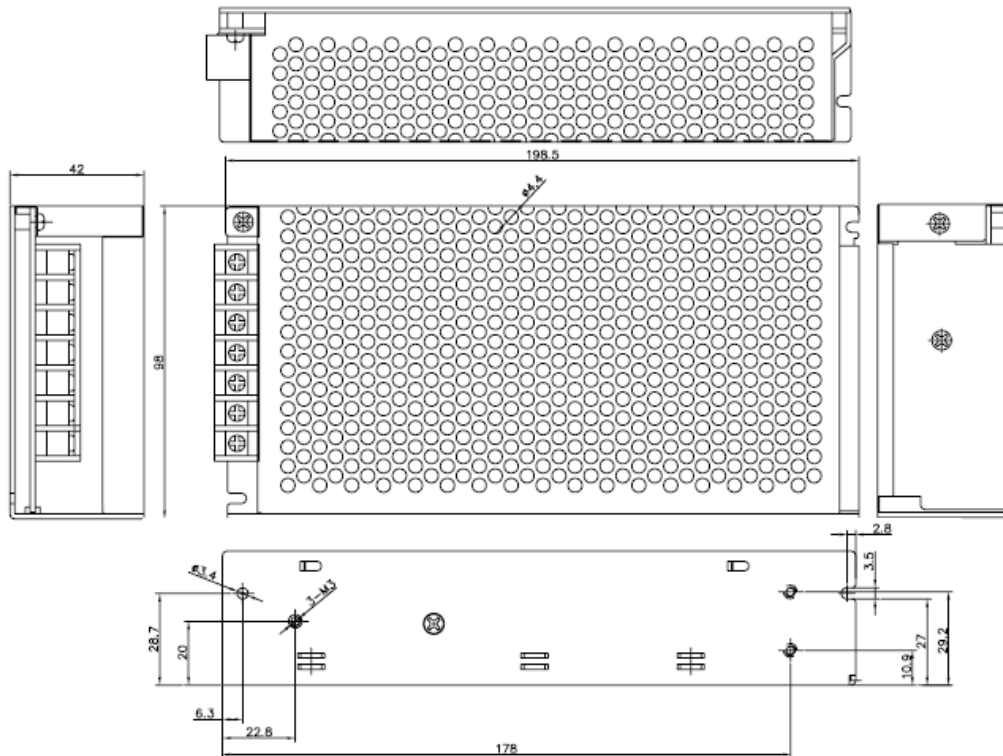
<p>▲Input voltage range:176-264VAC(输入电压范围)</p> <p>▲Free Air Convection (自然空冷)</p> <p>▲Protections: short circuit/over load/over voltage (保护功能: 短路/输出过载/输出过压)</p> <p>▲Green LED indicator for power on (正常工作绿色 LED 指示)</p> <p>▲Dimension:199X98X43mm (尺寸: 199X98X43mm)</p> <p>▲2-Years Product Warranty (2 年产品保证)</p>	<p>Picture(产品图片)</p>
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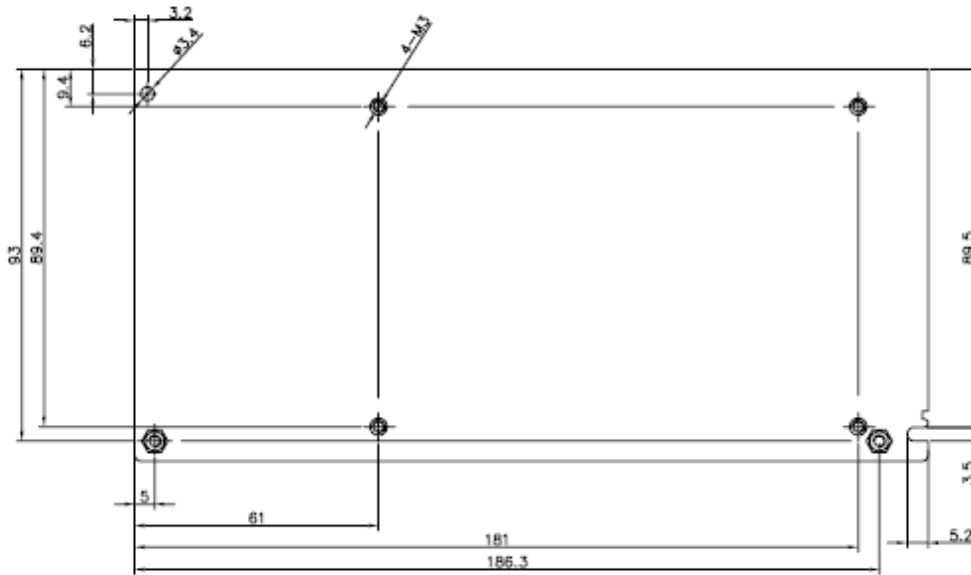
二.ELECTRICAL SPECIFICATIONS (电气规格)

Max. Output Wattage (最大输出功率)		150W
Input (输入特性)	Rated input voltage(额定输入电压范围)	200-240VAC
	Range of input voltage (输入电压范围)	176-264VAC
	Frequency(Hz) (输入频率范围)	47—63Hz
	Power Factor(功率因素)	PF>0.5 at full load
	Current(Full load) (输入电流在输出满载时)	2Amax.(180VAC) 1.8Amax.(230VAC)
	Unload Power Consumption(空载功耗)	≤5W
	Inrush Current(浪涌电流)	45A MAX.(180VAC)/ 60A max.(230VAC)
Output (输出特性)	Voltage(VDC) (输出电压)	12V
	Current(Convection) (最小输出电流) (A)min	0A
	Current(Convection) (最大输出电流) (A)max	12.5A
	Voltage Accuracy (电压精度)	±2%
	Line Regulation(电压调整率)	±0.5%
	Load Regulation(负载调整率)	±2%
	Hold-up Time(输出保持时间)	10 ms min
	Ripple & Noise (max) (纹波与噪声)	100mV
	Efficiency(Typ.)(典型效率)	83%
Protection (保护特性)	Over Load(输出过载)	105-150% rated output power Protection type: Auto recovery(保护类型: 自动恢复)
	Over Voltage Protection(输出过压保护)	14-16V Protection type : clamp by zener diode , auto recovery (保护类型: 稳压管箝位, 自动恢复)
	Short circuit Protection(短路保护)	Protection type: Auto recovery (保护类型: 自动恢复)
	withstand voltage (耐压)	Input-Output(V.AC)(输入-输出)
Input-FG(V.AC)(输入-地)	1500V	
Output-FG(V.AC)(输出-地)	500V	
	Leakage Current(泄漏电流)	<3.5mA (240VAC)
Isolation	Input-Output(V.AC)(输入-输出)	≥4MΩ@500Vdc

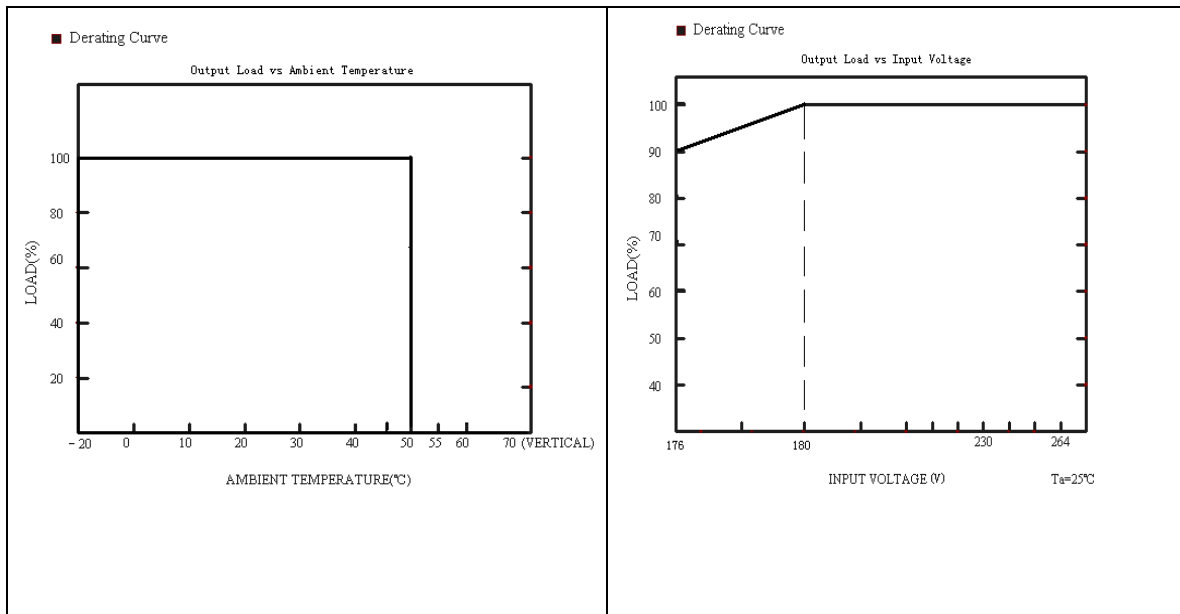
resistance (绝缘阻抗)	Input-FG(V.AC)(输入-地)	$\geq 4M\Omega @ 500Vdc$
	Output-FG(V.AC)(输出-地)	$\geq 4M\Omega @ 500Vdc$
Environment (环境特性)	Operating Temperature(工作温度)	-20°C...50°C
	Storage Temperature(存储温度)	-25°C...+80°C
	Temperature Coefficient(温度系数)	$\pm 0.03\%/^{\circ}C(0-50^{\circ}C)$
	Humidity(湿度)	95%RH
	MTBF	$> 250,000h @ 25^{\circ}C(MIL-HDBK-217F)$
Others(其它)	Vibration(振动)	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes
	Dimension (尺寸)(LXWXH)	199X98X43mm
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)	EN55022 class B
	EMS (电磁兼容抗扰度)	EN 61547; EN 61000-4-2—准:空气放电 8KV; 接触放电 4KV; Performance Criteria B EN 61000-4-5 —1000V; Performance Criteria C
Note (备注)	<p>1:All parameters NOT specially mentioned are measured at rated input or max rated input , and 25 °C of ambient temperature(所有的参数无特别说明的都是在额定输入电压或者是额定输入电压的上限值和 25°C 的环境温度下测得)</p> <p>2.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>	

三. MECHANICAL SPECIFICATIONS (机械规格)





四 , DERATING (降额曲线)



五、 DESCRIPTIONS OF CHANGE (变更描述)

变更项目 ITEM	变更前 BEFORE	变更后 AFTER	版本 Version	变更日期 DATE

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