



## FOR APPROVAL

### 承认书

|   |  |  |
|---|--|--|
| 产品名称/Type   | Enclosed Switch-Mode Power Supply<br>封闭式开关电源   |  |
| 产品型号/Model  | ESE150-XX  |  |
| 产品编码/ Product code:                                   |  |  |
| 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<br><input checked="" type="checkbox"/> 内装式/build-in<br><input type="checkbox"/> 插墙式/Plug-in |  |
| RoHS  | 符合欧盟 RoHS 要求<br>Conform to RoHS  |  |
| 客户/CUSTOMER   |  |  |
| 客户编号/<br>Customer part NO.                            |  |  |
| 客户认可回签(章)<br>AUTHORIZED<br>SIGNATURE<br>&COMPANY CHOP |  |  |
| 编制/Drew up by:  |  | 日期 Date  |
| 批准/Approved by:                                       |  | 日期 Date  |

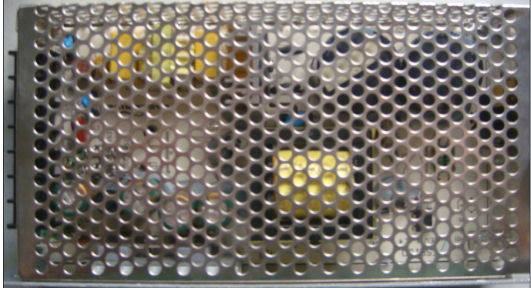
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DZ-YF3-002-02D

一.KEY FEATURES (产品特点)

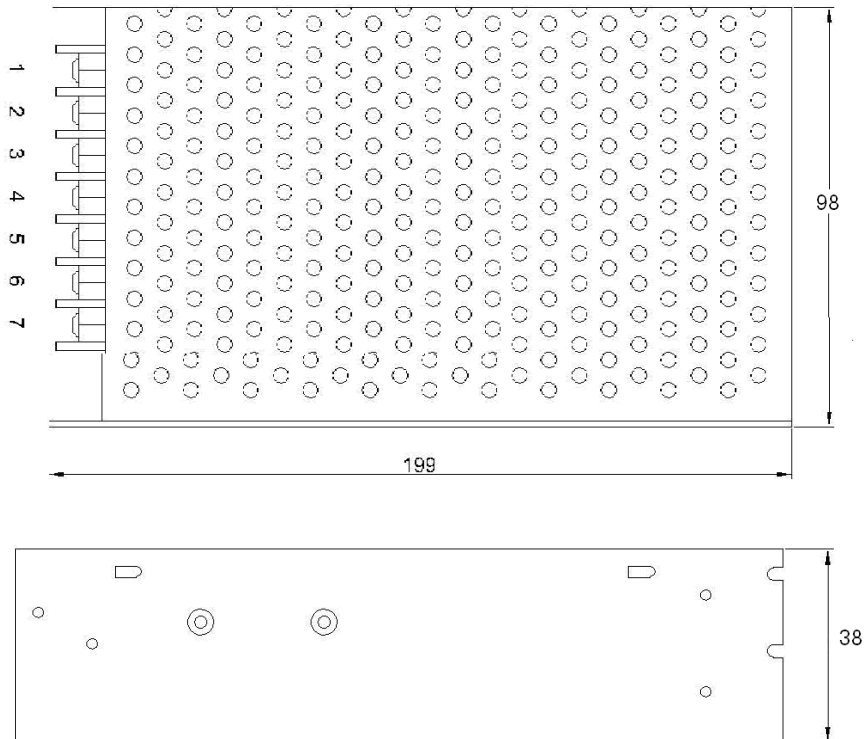
|   |   |
|---|---|
| <p>▲Universal Input:90-264VAC(全电压输入)</p> <p>▲Free Air Convection (自然空冷)</p> <p>▲Protections: short circuit/over load/over voltage<br/>(保护功能: 短路/输出过载/输出过压)</p> <p>▲Green LED indicator for power on (正常工作时绿色 LED 指示)</p> <p>▲Dimension:199X98X38mm (尺寸: 199X98X38mm)</p> <p>▲2-Years Product Warranty (2 年产品保证)</p> | <p>Picture(产品图片)</p>  |
|---|---|

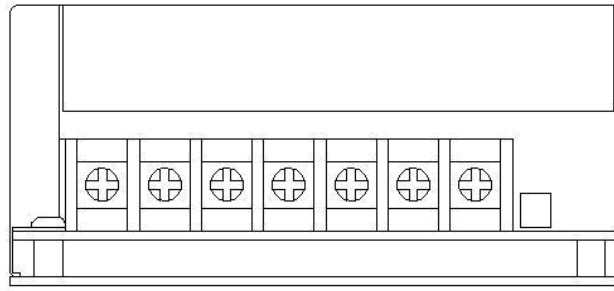
二.ELECTRICAL SPECIFICATIONS (电气规格)

|                                |   |  |            |            |            |
|--------------------------------|---|--|------------|------------|------------|
| 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)               | 220-240VAC                                   |            |            |            |
|                                | Range of input voltage (输入电压范围)             | 90-264VAC                                    |            |            |            |
|                                | 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)             | 3.6Amax.(115VAC) 1.8Amax.(230VAC)            |            |            |            |
|                                | Unload Power Consumption(空载功耗)              | ≤5W  |            |            |            |
|                                | Inrush Current (浪涌电流)                       | 25A MAX.(115VAC)/ 45A max.(230VAC)           |            |            |            |
| Output (输出特性)                  | Voltage(VDC) (输出电压)                         | 5V   | 12V        | 24V        | 48V        |
|                                | Current(Convection) (最小输出电流)<br>(A)min      | 0A   |            |            |            |
|                                | Current(Convection) (最大输出电流)<br>(A)max      | 30A  | 12.5A      | 6.25A      | 3.15A      |
|                                | Voltage ADJ. Range(输出电压可调范围)                | 4.75V—5.5V                                   | 10.8-13.2V | 22.8-26.4V | 45.6-52.8V |
|                                | Voltage Accuracy (电压精度)                     | ±1%  |            |            |            |
|                                | Line Regulation(电压调整率)                      | ±0.5%  |            |            |            |
|                                | Load Regulation(负载调整率)                      | ±1%  |            |            |            |
|                                | Hold-up Time(输出保持时间)                        | 20 ms min                                    |            |            |            |
|                                | Ripple & Noise (max) (纹波与噪声)                | 80mV   | 120mV      | 150mV      | 200mV      |
|                                | Efficiency(Typ.)(典型效率)                      | 77%  | 83%        | 85%        | 86%        |
| Protection (保护特性)              | Over Load(输出过载)                             | 105-150% rated output power                  |            |            |            |
|                                | Over Voltage Protection(输出过压保护)             | 5.6-6.8V                                     | 14-16V     | 29—32V     | 55-60V     |
|                                |   | Protection type : Auto recovery (保护类型: 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)                   | 3000V  |            |            |            |
|                                | 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 resistance<br>(绝缘阻抗) | Input-Output(V.AC)(输入-输出)   | $\geq 4M\Omega @ 500Vdc$                              |
|                                | Input-FG(V.AC)(输入-地)  | $\geq 4M\Omega @ 500Vdc$                              |
|                                | Output-FG(V.AC)(输出-地)   | $\geq 4M\Omega @ 500Vdc$                              |
| Environment<br>(环境特性)          | Operating Temperature(工作温度)   | -25℃...60℃  |
|                                | Storage Temperature(存储温度)   | -30℃...+80℃   |
|                                | Temperature Coefficient(温度系数)   | $\pm 0.03\%/^{\circ}C(0-50^{\circ}C)$                 |
|                                | Humidity(湿度)  | 95%RH   |
|                                | MTBF  | $> 50,000h @ 25^{\circ}C(MIL-HDBK-217F)$              |
|                                | Vibration(振动)   | 10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes |
| Others(其它)                     | Dimension (尺寸)(LXWXH)   | 199X98X38mm   |
| 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 class B EN55022 class B                      |
| 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是在额定的输入交流 230V 和 25℃的环境温度下测得)</p> <p>2.Ripple &amp; Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF &amp; 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> |   |

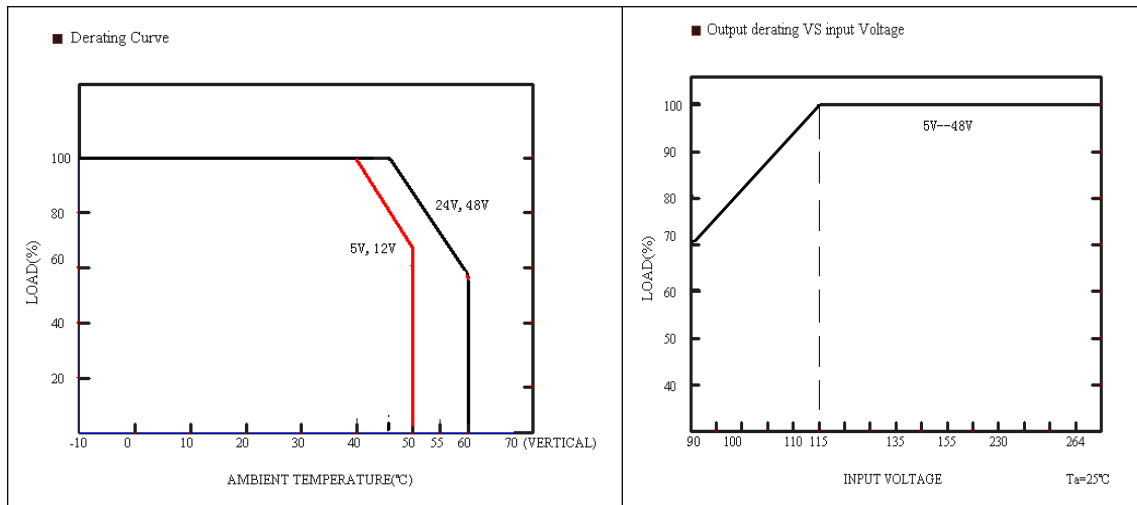
### 三. MECHANICAL SPECIFICATIONS (机械规格)





1 2 3 4 5 6 7 Vadj

#### 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<br>Version | 变更日期 DATE |
|-----------|------------|-----------|---------------|-----------|
|           |            |           |               |           |
|           |            |           |               |           |
|           |            |           |               |           |
|           |            |           |               |           |