

**YSI-150** SERIES



**Input: 100-265V AC 50/60Hz**  
**Output Voltage: 24V 4.16A 100W**  
**Rated Power: 100W**

**Features**

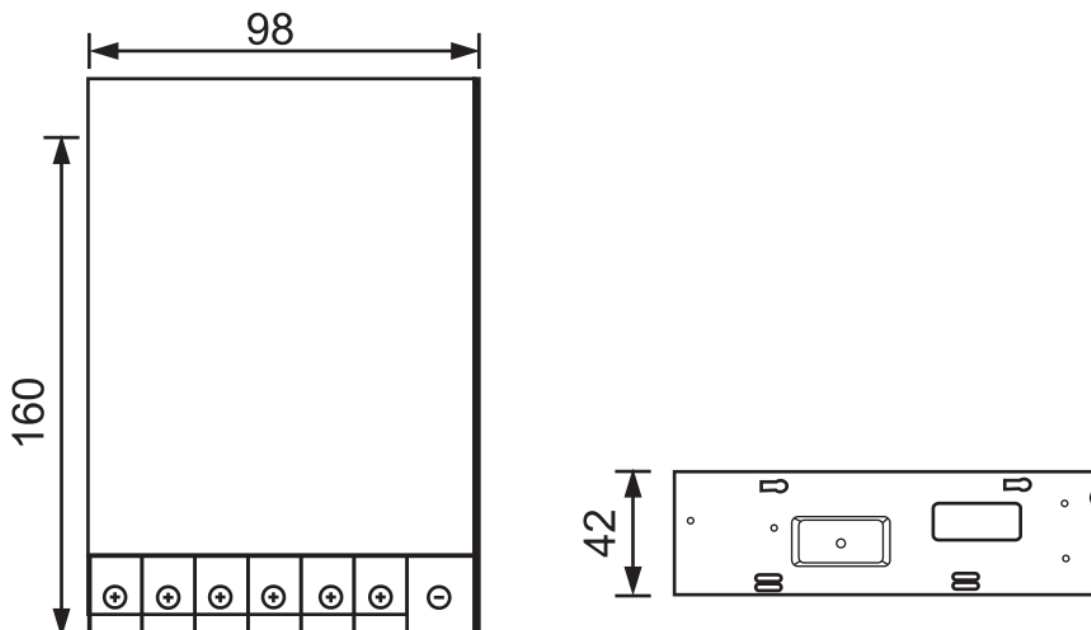
Univeral AC input/ Full range  
Energy efficiency level VI  
Leakage Current: < 0.25mA  
Extremely low leakage current  
Protection:Over load/Over voltage/Short circuit  
Withstand voltage : 3KV  
Life Warranty: 3 years

**Application**

Industrial automation control  
Communication equipment  
Led Lighting  
Industrial control equipment



■ **Dimensions and Installation**

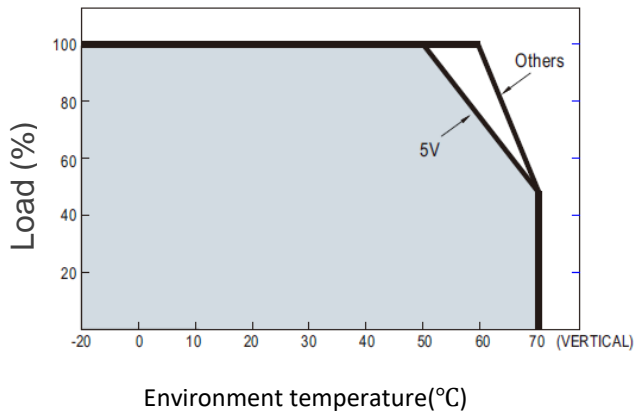


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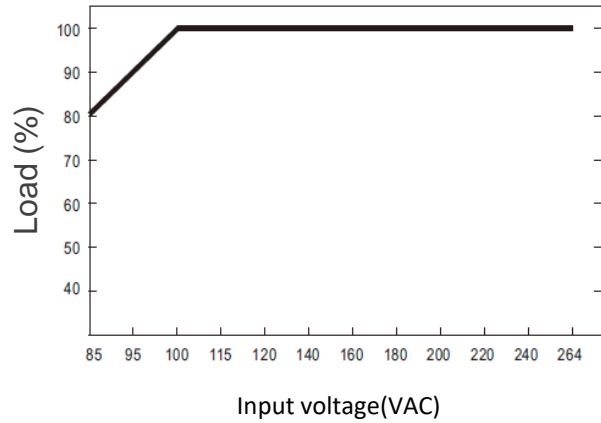
| MODEL DETAIL SPEC. |   | YSI150-2404160  |     |     |
|--------------------|---|---|-----|-----|
| INPUT              | Input Voltage:                                | 230VAC  |     |     |
|                    | Input Frequency:                              | 50/60Hz   |     |     |
|                    | Inrush Current:                               | Cold start 45A. at 240VAC/50Hz,full load  |     |     |
|                    | AC Current:                                   | 0.2A/115VAC 0.21A/230VAC  |     |     |
|                    | Leakage Current:                              | < 0.25mA/240VAC   |     |     |
|                    | Efficiency:                                   | 80%   |     |     |
| OUTPUT             | DC Voltage:                                   | 24V   |     |     |
|                    | Rated Current:                                | 4.16A   |     |     |
|                    | Rated Power:                                  | 100W  |     |     |
|                    | Voltage Tolerance:                            | ±5.0%   |     |     |
|                    | Ripple and Noise:                             | 200mVp-p  |     |     |
|                    | Line Regulation:                              | ±3%   |     |     |
|                    | Load Regulation:                              | ±5%   | ±5% | ±5% |
|                    | Setup, Rise, Hold Up time:                    | 500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load  |     |     |
| ENVIRONMENTAL      | Operating Temperature:                        | -20 ~ +60 (Refer to "Derating Curve")   |     |     |
|                    | Storage Temp:                                 | -40°C ~ 85°C  |     |     |
|                    | Storage Humidity:                             | 10 ~ 95% RH   |     |     |
|                    | Working Humidity:                             | 20 ~ 95% RH non-condensing  |     |     |
| PROTECTION         | Over Load:                                    | Above 105% -135%rated output power  |     |     |
|                    |   | Protection type: Hiccup mode, recovers automatically after fault condition is removed                                 |     |     |
|                    | Over Voltage:                                 | 5V:5.75~ 6.75V 12V:13.8 ~ 16.2V 15V:17.25 ~ 20.25V 24V:27.6 ~ 32.4V   |     |     |
|                    |   | Protection type: Shut down o/p voltage, re-power on to recover  |     |     |
| Over Temperature:  | Shut down o/p voltage, re-power on to recover |   |     |     |
| SAFETY & EMC       | Safety Regulations:                           | EN62368   |     |     |
|                    | Withstand Voltage:                            | I/P-O/P:3KV AC I/P-FG:2KV AC O/P-FG:0.5KV AC  |     |     |
|                    | Isolation Resistance:                         | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH   |     |     |
|                    | EMC Emission:                                 | Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B |     |     |
|                    | EMC Immunity:                                 | EN55032   |     |     |
| OTHER              | MTBF:   | 500Khrs min. MIL-HDBK-217F(25°C)  |     |     |
|                    | Size:   | 160*98*42mm   |     |     |
|                    | Weight:                                       | 410g / pcs  |     |     |
|                    | Packaging:                                    | 20PCS/CTN   |     |     |

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**Deduction curve and temperature**



**Minus output and input voltage curves**



**Functional Diagram**

