

**YS200 SERIES**



**Input: 85-265VAC 50/60Hz**  
**Output Voltage: 5V-36V DC**  
**Rated Power: 240W max**

**Features**

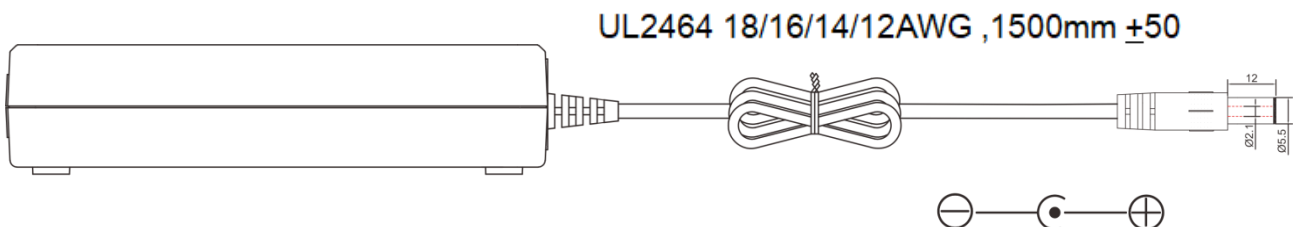
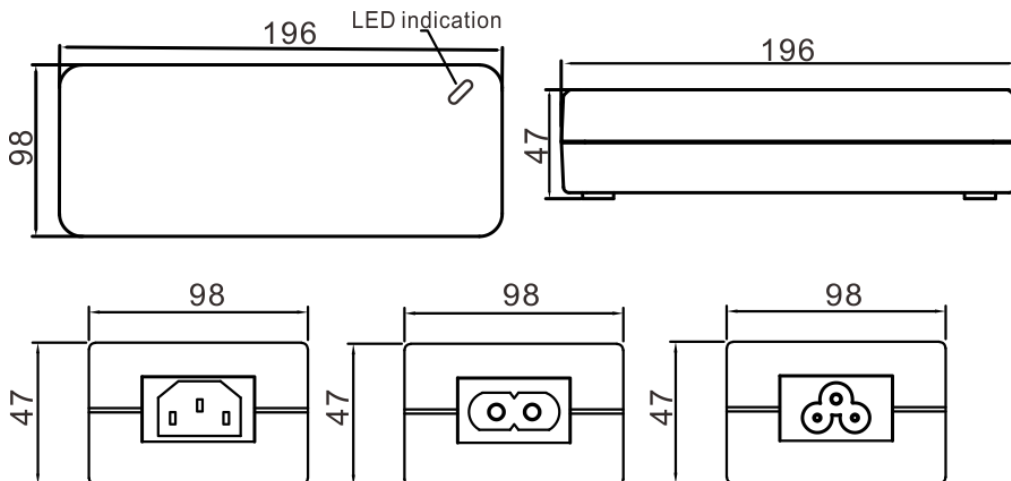
Univeral AC input/ Full range  
 Energy efficiency level VI  
 Leakage Current: < 0.75mA  
 Extremely low leakage current  
 Protection:Over load/Over voltage/Short circuit  
 Withstand voltage : 3KV  
 Life Warranty: 3 years

**Application**

Digital equipment  
 Consumer electronic devices  
 Telecommunication devices  
 Office facilities  
 Industrial equipments



**■ Dimensions and Installation**

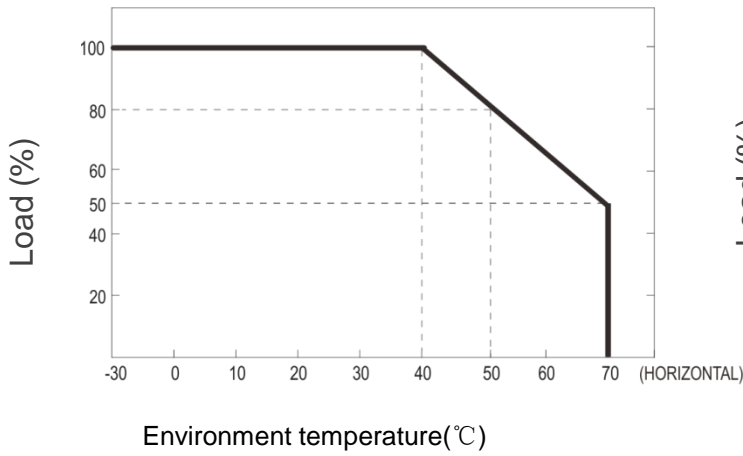


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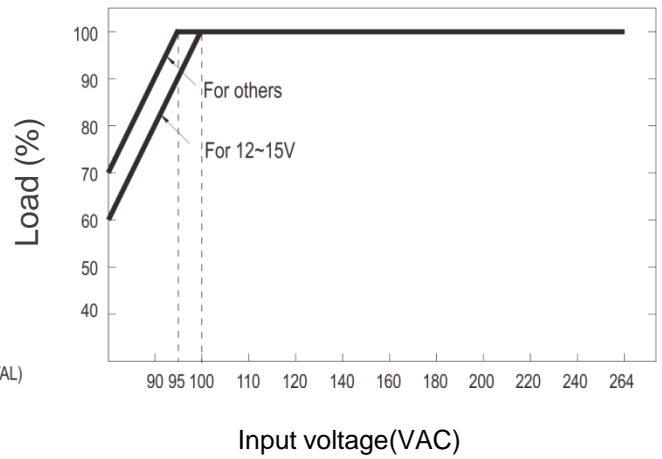
| MODEL DETAIL SPEC. |                            | YS200-12016670   | YS200-13814500 | YS200-15013300 | YS200-19010500 | YS200-24008330 | YS200-36005600 |
|--------------------|----------------------------|--|----------------|----------------|----------------|----------------|----------------|
| INPUT              | Input Voltage:             | 85-265VAC  |                |                |                |                |                |
|                    | Input Frequency:           | 50/60Hz  |                |                |                |                |                |
|                    | Inrush Current:            | 95A/115VAC 120A/230VAC   |                |                |                |                |                |
|                    | AC Current:                | 2.5A max.  |                |                |                |                |                |
|                    | Leakage Current:           | < 0.75mA/240VAC  |                |                |                |                |                |
|                    | Efficiency:                | 90%  | 90%            | 90%            | 91%            | 92%            | 93%            |
| OUTPUT             | DC Voltage:                | 12V  | 13.8V          | 15V            | 19V            | 24V            | 36V            |
|                    | Rated Current:             | 16.67A   | 14.5A          | 13.3A          | 10.5A          | 8.33A          | 5.56A          |
|                    | Rated Power:               | 200W   | 200W           | 199.5W         | 199.5W         | 200W           | 200W           |
|                    | Voltage Tolerance:         | ±5.0%  | ±5.0%          | ±5.0%          | ±5.0%          | ±5.0%          | ±5.0%          |
|                    | Ripple and Noise:          | 120mVp-p   | 150mVp-p       | 150mVp-p       | 200mVp-p       | 240Vp-p        | 240mVp-p       |
|                    | Line Regulation:           | ±3%  |                |                |                |                |                |
|                    | Load Regulation:           | ±5%  | ±5%            | ±5%            | ±5%            | ±5%            | ±5%            |
|                    | Setup, Rise, Hold Up time: | 500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load   |                |                |                |                |                |
| ENVIRONMENTAL      | Operating Temperature:     | -30 ~ +70 (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:                 | 105% -150% rated output power<br>Protection type: Hiccup mode, recovers automatically after fault condition is removed                             |                |                |                |                |                |
|                    | Over Voltage:              | 105% -130% rated output power<br>Protection type: Shut down o/p voltage, re-power on to recover  |                |                |                |                |                |
|                    | Over Temperature:          | When the NTC resistance temperature is between 85°C and 100°C ,The power supply shall be protected and no deformation and no discoloration on case |                |                |                |                |                |
| SAFETY & EMC       | Safety Regulations:        | UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved  |                |                |                |                |                |
|                    | Withstand Voltage:         | I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC  |                |                |                |                |                |
|                    | 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:              | EN/EN61000-4-2,3,4,5,6,8,11  |                |                |                |                |                |
| OTHER              | MTBF:                      | 500Khrs min. MIL-HDBK-217F(25°C)   |                |                |                |                |                |
|                    | Size:                      | 217*77*55mm  |                |                |                |                |                |
|                    | Weight:                    | 1200g / pc   |                |                |                |                |                |
|                    | Packaging:                 | 20PCS/CTN  |                |                |                |                |                |

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**Deduction curve and temperature**


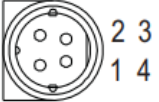
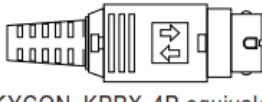
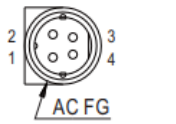


**Minus output and input voltage curves**



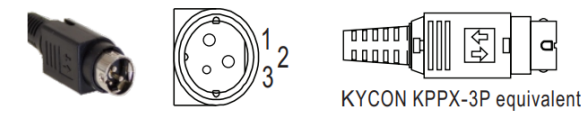
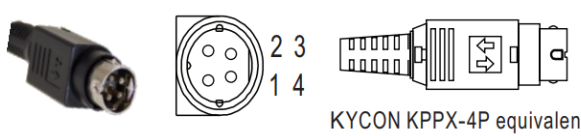
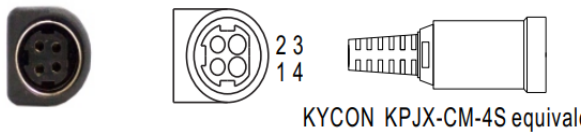


**DC output plug**

Standard plug:M7B

| M7B   |   | Pin Assignment  |  |         |        |   |     |   |     |   |     |   |     |
|---|---|---|--|---------|--------|---|-----|---|-----|---|-----|---|-----|
|  |  |  <p>KYCON KPPX-4P equivalent</p> |  <p>AC FG<br/>-V connected to AC FG</p>  |         |        |   |     |   |     |   |     |   |     |
|   |   |   | <table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">PIN NO.</th> <th style="text-align: center;">OUTPUT</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">+Vo</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">-Vo</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">-Vo</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">+Vo</td> </tr> </tbody> </table> | PIN NO. | OUTPUT | 1 | +Vo | 2 | -Vo | 3 | -Vo | 4 | +Vo |
| PIN NO.   | OUTPUT  |   |  |         |        |   |     |   |     |   |     |   |     |
| 1   | +Vo   |   |  |         |        |   |     |   |     |   |     |   |     |
| 2   | -Vo   |   |  |         |        |   |     |   |     |   |     |   |     |
| 3   | -Vo   |   |  |         |        |   |     |   |     |   |     |   |     |
| 4   | +Vo   |   |  |         |        |   |     |   |     |   |     |   |     |

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Optional DC plug: (Available in customized cable or quick adapter)

| Min.Din 3Pin with Lock (male)   | Type No.    | Pin Assignment |        | Quick Adapter Accessory                     |
|---|-------------|----------------|--------|---|
|   |             | PIN No.        | Output |   |
|  <p>KYCON KPPX-3P equivalent</p>      | M6B         | 1              | +Vo    | Available<br>(Current rating:<br>7.5A max.) |
|   |             | 2              | -Vo    |   |
|   |             | 3              | +Vo    |   |
| Min.Din 4Pin with Lock (male)   | Type No.    | Pin Assignment |        | Available<br>(Current rating:<br>7.5A max.) |
|  <p>KYCON KPPX-4P equivalent</p>      | M7B         | PIN No.        | Output |   |
|   |             | 1              | +Vo    |   |
|   |             | 2              | -Vo    |   |
|   |             | 3              | -Vo    |   |
|   |             | 4              | +Vo    |   |
| Min.Din 4Pin with Lock (female)   | Type No.    | Pin Assignment |        | None  |
|  <p>KYCON KPJX-CM-4S equivalent</p> | M7BF        | PIN No.        | Output |   |
|   |             | 1              | +Vo    |   |
|   |             | 2              | -Vo    |   |
|   |             | 3              | -Vo    |   |
|   |             | 4              | +Vo    |   |
| DIN 5Pin (male)   | Type No.    | Pin Assignment |        | Available<br>(Current rating:<br>7.5A max.) |
|                                     | M1B         | PIN No.        | Output |   |
|   |             | 1              | -Vo    |   |
|   |             | 2              | -Vo    |   |
|   |             | 3              | +Vo    |   |
|   |             | 4              | -Vo    |   |
|   |             | 5              | +Vo    |   |
|   | Type No.    |                |        | None  |
|                                     | by customer | 1              | +Vo    |   |
|   |             | 2              | -Vo    |   |