

## YS25C-E SERIES



Input: 85-264VAC 50/60Hz  
Output Voltage: 5V-56V DC  
Rated Power: 30W max

### Features

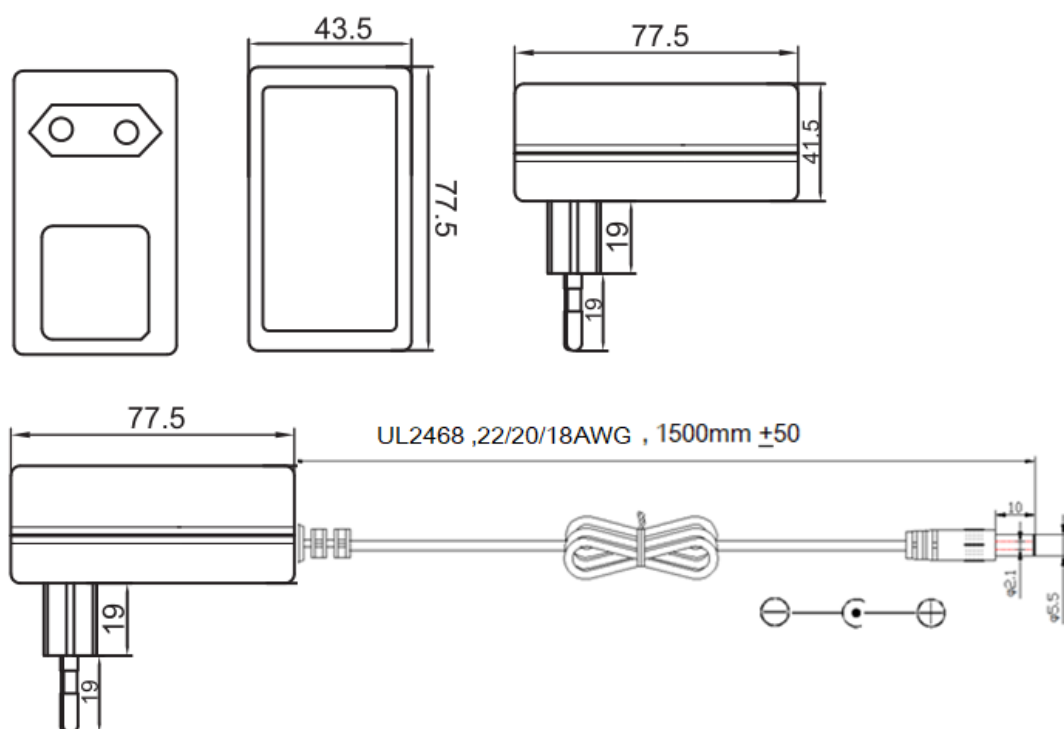
Universal AC input/ Full range  
Energy efficiency level VI  
Leakage Current: < 0.25mA  
Extremely low leakage current  
Protection: Over load/Over voltage/Short circuit  
Withstand voltage : 3KV  
Life Warranty: 3 years

### Application

Digital equipment  
Consumer electronic devices  
Telecommunication devices  
Office facilities  
Industrial equipments



### ■ Dimensions and Installation

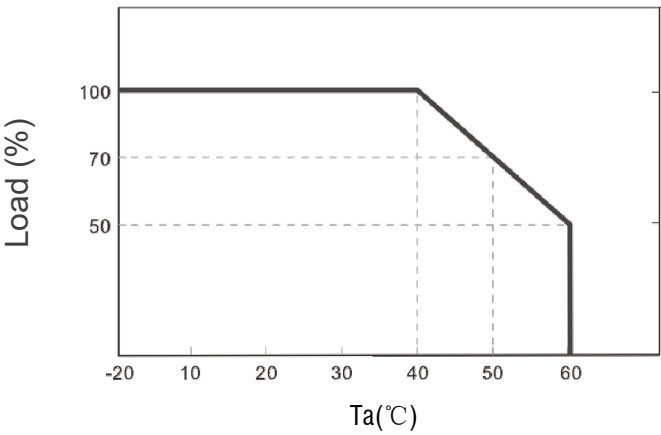


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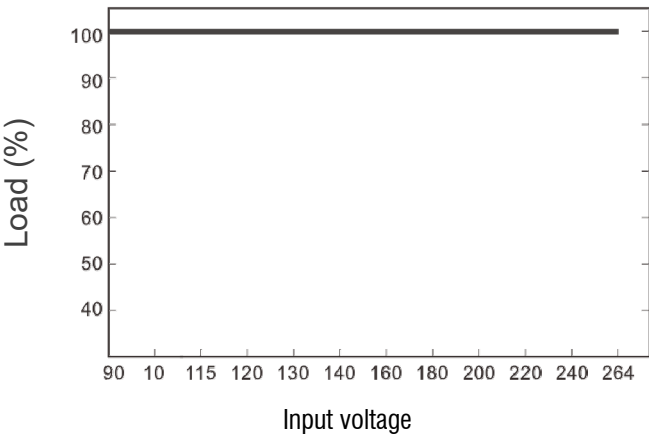
| MODEL DETAIL SPEC. |                            | YS25C-0504000                                                                         | YS25C-0903300 | YS25C-1202500 | YS25C-1502000 | YS25C-2401250 | YS25C-3600830 |
|--------------------|----------------------------|---------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| INPUT              | Input Voltage:             | 85-264VAC                                                                             |               |               |               |               |               |
|                    | Input Frequency:           | 50/60Hz                                                                               |               |               |               |               |               |
|                    | Inrush Current:            | 40A/115VAC 70A/230VAC                                                                 |               |               |               |               |               |
|                    | AC Current:                | 1A/115VAC 0.5A/230VAC                                                                 |               |               |               |               |               |
|                    | Leakage Current:           | < 0.25mA/240VAC                                                                       |               |               |               |               |               |
|                    | Efficiency:                | 80%                                                                                   | 84%           | 86%           | 86%           | 87%           | 88%           |
| OUTPUT             | DC Voltage:                | 5V                                                                                    | 9V            | 12V           | 15V           | 24V           | 36V           |
|                    | Rated Current:             | 4A                                                                                    | 3.3A          | 2.5A          | 2A            | 1.25A         | 0.83A         |
|                    | Rated Power:               | 20W                                                                                   | 29.7W         | 30W           | 30W           | 30W           | 30W           |
|                    | Voltage Tolerance:         | ±5.0%                                                                                 | ±5.0%         | ±5.0%         | ±5.0%         | ±5.0%         | ±5.0%         |
|                    | Ripple and Noise:          | 90mVp-p                                                                               | 120mVp-p      | 120mVp-p      | 180mVp-p      | 240mVp-p      | 300mVp-p      |
|                    | Line Regulation:           | ±3%                                                                                   |               |               |               |               |               |
|                    | Load Regulation:           | ±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℃ ~ 85℃                                                                            |               |               |               |               |               |
|                    | Storage Humidity:          | 10 ~ 95% RH                                                                           |               |               |               |               |               |
|                    | Working Humidity:          | 20 ~ 95% RH non-condensing                                                            |               |               |               |               |               |
| PROTECTION         | Over Load:                 | 105% -150% rated output power                                                         |               |               |               |               |               |
|                    |                            | Protection type: Hiccup mode, recovers automatically after fault condition is removed |               |               |               |               |               |
|                    | Over Voltage:              | 105% -130% rated output power                                                         |               |               |               |               |               |
|                    |                            | Protection type: Shut down o/p voltage, re-power on to recover                        |               |               |               |               |               |
|                    | Short Circuit :            | Shut down o/p voltage, re-power on to recover                                         |               |               |               |               |               |
| SAFETY & EMC       | Safety Regulations:        | EN62368-1 ,EN61558-1 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℃/ 70% RH                              |               |               |               |               |               |
|                    | EMC Emission:              | Compliance to EN55032 (CISPR32), EN61000-3-2,-3                                       |               |               |               |               |               |
|                    | EMC Immunity:              | EN/EN61000-4-2,3,4,5,6,8,11                                                           |               |               |               |               |               |
| OTHER              | MTBF:                      | 500Khrs min. MIL-HDBK-217F(25℃)                                                       |               |               |               |               |               |
|                    | Size:                      | 77.5*43.5*41.5mm                                                                      |               |               |               |               |               |
|                    | Weight:                    | 130g / pcs                                                                            |               |               |               |               |               |
|                    | Packaging:                 | 100PCS/CTN                                                                            |               |               |               |               |               |

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Deduction curve and temperature

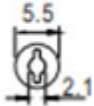


Minus output and input voltage curves



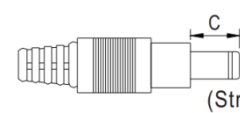
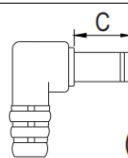
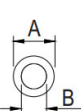
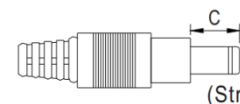
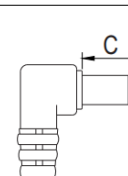
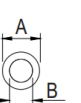
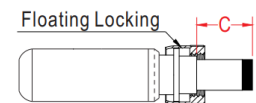
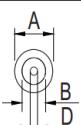
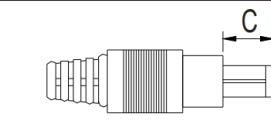
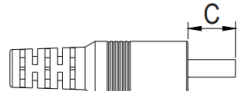
DC output plug

Standard plug: D1M

| D1M                                                                                                                                                                                                                                                         | Pin Assignment                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                       |
|                                                                                                                                                                                                                                                             | Outside   Inside |
|                                                                                                                                                                                                                                                             | -V not connected to AC FG(standard)<br>-V connected to AC FG(optional)                                                                                                                     |

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

| Tuning Fork Style                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                            | Type No. | A          | B    | C     | Quick Adapter Accessory                     |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------|-------|---------------------------------------------|---------------------------------------------|
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            |          | OD         | ID   | L     |                                             |                                             |
| <br>                                                                                                               | <br>(Straight)                                                                                                                                                                                                                            | D1I      | 5.5        | 2.1  | 9.5   | Available<br>(Current rating:<br>7.5A max.) |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D1L      | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D1M      | 5.5        | 2.1  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     | <br>(Right-angled)                                                                                                                                                                                                                        | D1IR     | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D1JR     | 5.5        | 2.1  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D1LR     | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D1MR     | 5.5        | 2.5  | 11.0  |                                             |                                             |
| Barrel Style                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                            | Type No. | A          | B    | C     | Quick Adapter Accessory                     |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            |          | OD         | ID   | L     |                                             |                                             |
| <br>                                                                                                           | <br>(Straight)                                                                                                                                                                                                                          | D2I      | 5.5        | 2.1  | 9.5   | None                                        |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D2J      | 5.5        | 2.1  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D2L      | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     | <br>(Right-angled)                                                                                                                                                                                                                      | D2M      | 5.5        | 2.1  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D2IR     | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D2JR     | 5.5        | 2.1  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D2LR     | 5.5        | 2.5  | 9.5   |                                             |                                             |
|                                                                                                                                                                                                                                                                                     | D2MR                                                                                                                                                                                                                                                                                                                       | 5.5      | 2.5        | 11.0 |       |                                             |                                             |
|                                                                                                                                                                                                                                                                                     | Lock Style                                                                                                                                                                                                                                                                                                                 |          | Type No.   | A    | B     | C                                           | Quick Adapter Accessory                     |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            |          |            | OD   | ID    | L                                           |                                             |
|                                                                                                                                                                                                                                                                                     | <br><br><br>Floating Locking<br>SWITCHCRAFT original or equivalent |          | D2S(S761K) | 5.53 | 2.03  | 12.06                                       | None                                        |
| D2K(761K)                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                            |          | 5.53       | 2.54 | 12.06 |                                             |                                             |
| D2C(S760K)                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                            |          | 5.53       | 2.03 | 9.52  |                                             |                                             |
| D2D(760K)                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                            |          | 5.53       | 2.54 | 9.52  |                                             |                                             |
| Center Pin Style                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | Type No. | A          | B    | C     | D                                           | Quick Adapter Accessory                     |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            |          | OD         | ID   | L     | Center Pin                                  |                                             |
| <br><br><br>EIAJ equivalent |                                                                                                                                                                                                                                                                                                                            | D4A      | 5.5        | 3.4  | 11.0  | 1.0                                         | Available<br>(Current rating:<br>7.5A max.) |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D4B      | 6.5        | 4.4  | 11.0  | 1.4                                         |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D4C      | 7.4        | 5.1  | 11.0  | 0.6                                         |                                             |
| Min. Pin Style                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                            | Type No. | A          | B    | C     | Quick Adapter Accessory                     |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            |          | OD         | ID   | L     |                                             |                                             |
| <br><br><br>EIAJ equivalent |                                                                                                                                                                                                                                                                                                                            | D3A      | 2.35       | 0.7  | 11.0  | Available<br>(Current rating:<br>5A max.)   |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D3B      | 4.0        | 1.7  | 11.0  |                                             |                                             |
|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                            | D3C      | 4.75       | 1.7  | 11.0  |                                             |                                             |