

YSM5 SERIES



**Input:85-277VAC 50/60Hz
Output Voltage: 3.3V-24V DC
Rated Power :5W max**

Features

- Compact appearance
- International general input 85-277VAC
- No-load power consumption < 0.1 W
- EMC meets Class B requirements without additional components
- Wide operating temperature range from -30 °C to 70°C
- Protection type: short circuit / over load / over voltage
- Natural air cooling
- Class II isolation level
- By LPS
- Three Year Warranty



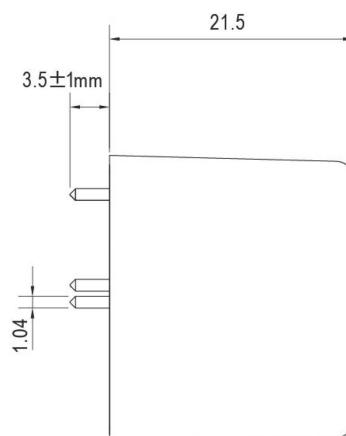
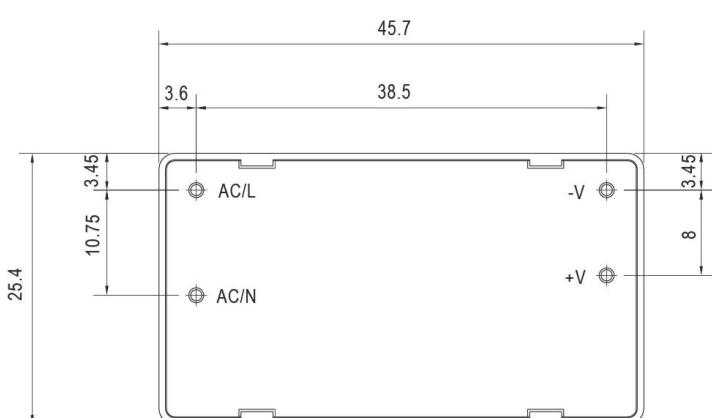
CB SCHEME



Application

- Industrial electrical installation
- Mechanical equipment
- Industrial automation equipment
- Handheld electronic equipment

Dimensions and Installation

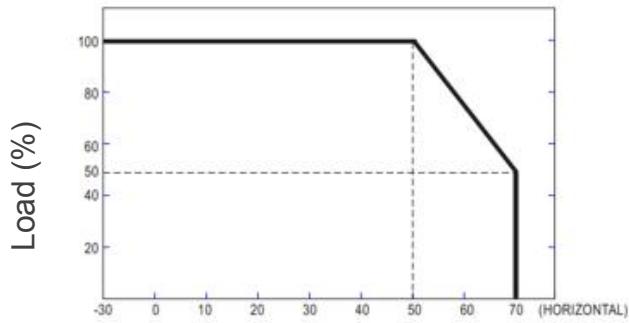


YSM5 SERIES

| MODEL DETAIL SPEC. | | YSM5-0331000 | YSM5-0501000 | YSM5-1200420 | YSM5-1500330 | YSM5-2400230 |
|--------------------|--------------------------|--|--------------|--------------|--------------|--------------|
| OUTPUT | DC Voltage: | 3.3V | 5V | 12V | 15V | 24V |
| | Rated Current: | 1A | 1A | 0.42A | 0.33A | 0.23A |
| | Rated Power: | 4.125W | 5W | 5W | 5W | 5.5W |
| | Ripple and Noise: | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p |
| | Line Regulation: | $\pm 0.3\%$ | | | | |
| | Load Regulation: | $\pm 0.5\%$ | | | | |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | | |
| | Efficiency: | 68% | 71% | 75% | 75% | 77% |
| | AC Current: | 0.12A/115VAC 0.08A/230VAC 0.06A/277VAC | | | | |
| | Inrush Current: | COLD START 20A/115VAC 40A/230VAC | | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | | |
| PROTECTION | Over Load Protection: | 115% ~ 260% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | | |
| OTHER | MTBF: | > 50000h | | | | |
| | Size: | 45.7*25.4*21.5 mm | | | | |

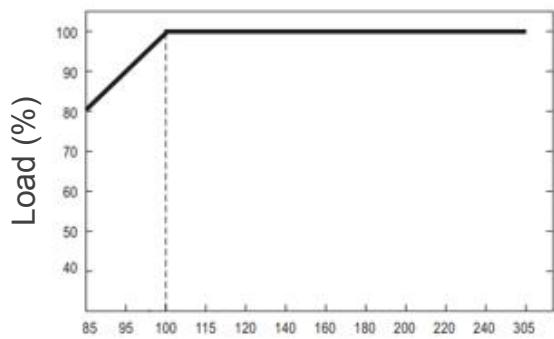
YSM5 SERIES

Deduction curve and temperature



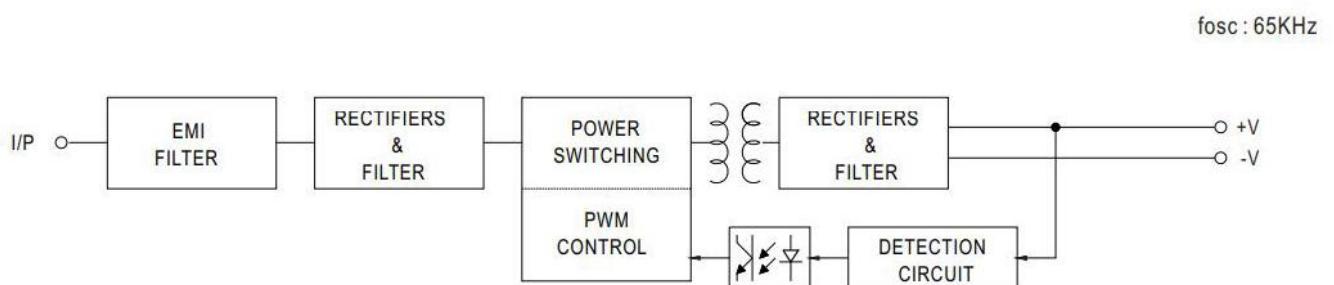
Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram



YSM10 SERIES



**Input:85-277VAC 50/60Hz
Output Voltage: 3.3V-24V DC
Rated Power :10W max**

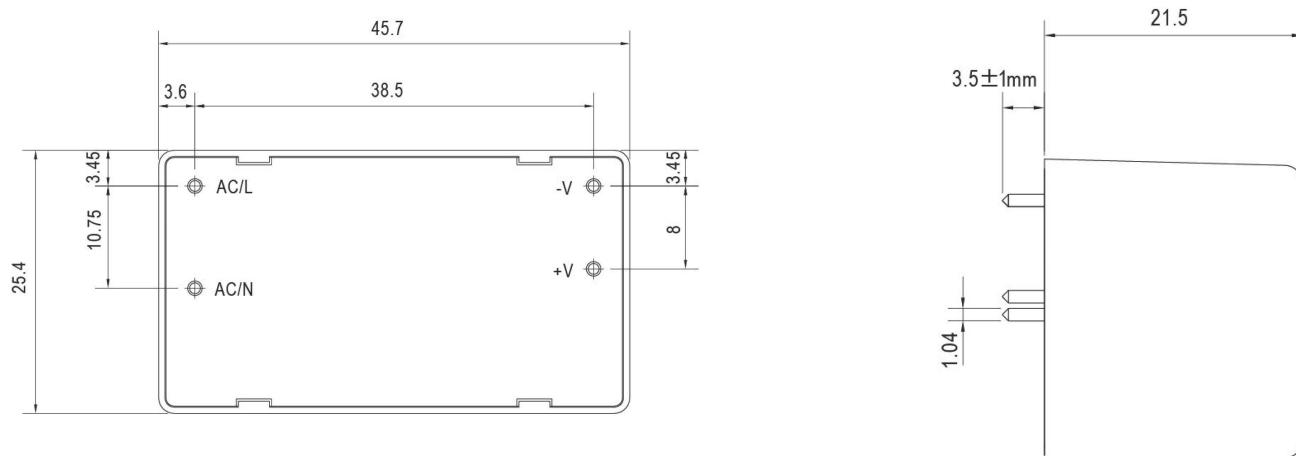
Features

- Compact appearance
- International general input 85-277VAC
- No-load power consumption < 0.1 W
- EMC meets Class B requirements without additional components
- Wide operating temperature range from -30 °C to 70°C
- Protection type: short circuit / over load / over voltage
- Natural air cooling
- Class II isolation level
- By LPS
- Three Year Warranty

Application

- Industrial electrical installation
- Mechanical equipment
- Industrial automation equipment
- Handheld electronic equipment

Dimensions and Installation

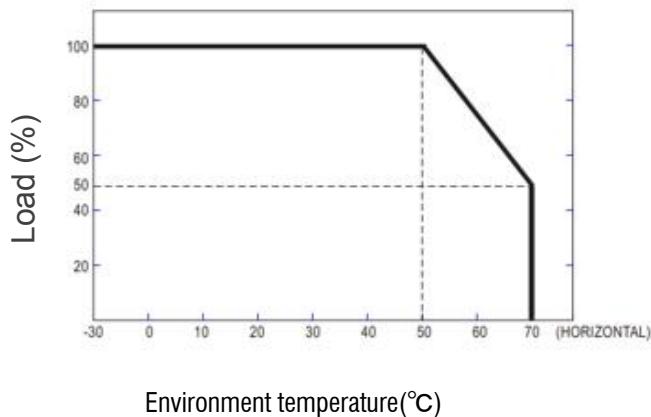


YSM10 SERIES

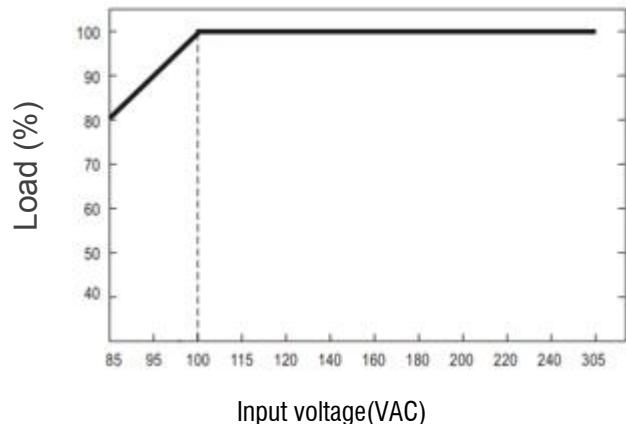
| MODEL DETAIL SPEC. | | YSM10-0332000 | YSM10-0502000 | YSM10-1200850 | YSM10-1500670 | YSM10-2400420 |
|--------------------|--------------------------|--|---------------|---------------|---------------|---------------|
| OUTPUT | DC Voltage: | 3.3V | 5V | 12V | 15V | 24V |
| | Rated Current: | 2A | 2A | 0.85A | 0.67A | 0.42A |
| | Rated Power: | 8.25W | 10W | 10W | 10W | 10W |
| | Ripple and Noise: | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p |
| | Line Regulation: | $\pm 0.3\%$ | | | | |
| | Load Regulation: | $\pm 0.5\%$ | | | | |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | | |
| | Efficiency: | 74% | 77% | 82% | 82% | 82% |
| | AC Current: | 0.25A/115VAC 0.15A/230VAC 0.125A/277VAC | | | | |
| | Inrush Current: | COLD START 20A/115VAC 40A/230VAC | | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | | |
| PROTECTIO N | Over Load Protection: | 115% ~ 190% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | | |
| OTHER | MTBF: | > 50000h | | | | |
| | Size: | 45.7*25.4*21.5 mm | | | | |

YSM10 SERIES

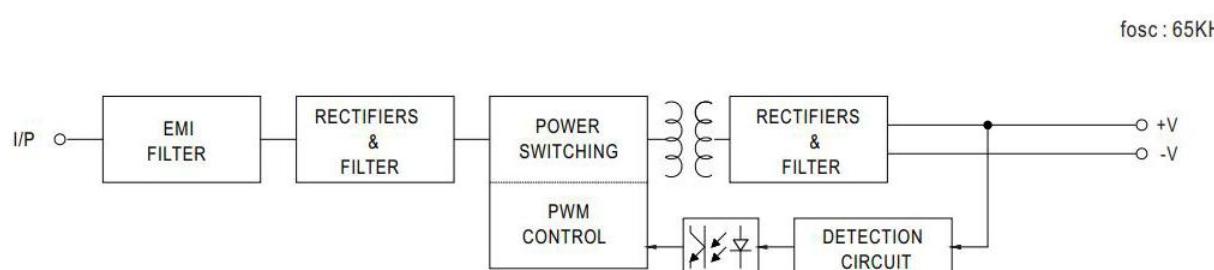
Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram



YSM15 SERIES

**Input:85-277VAC 50/60Hz
Output Voltage: 3.3V-24V DC
Rated Power :15W max**



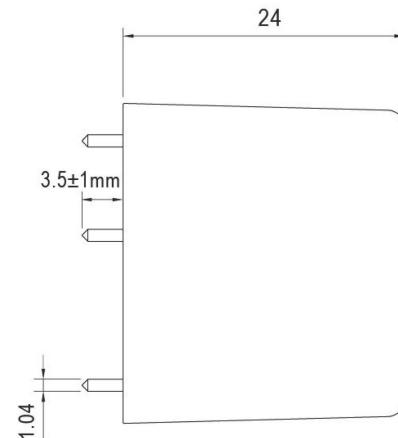
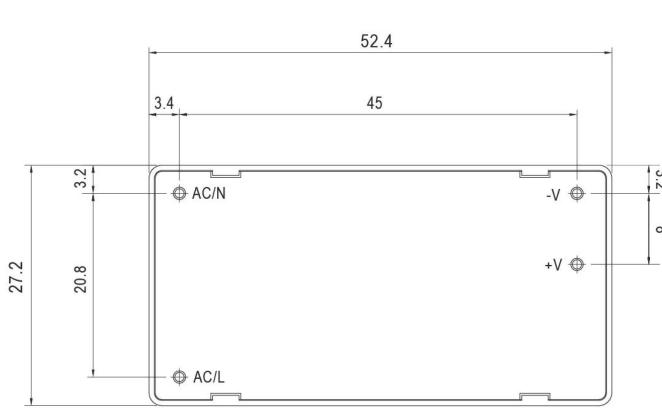
Features

Compact appearance
 International general input 85-277VAC
 No-load power consumption < 0.1 W
 EMC meets Class B requirements without additional components
 Wide operating temperature range from -30 °C to 70°C
 Protection type: short circuit / over load / over voltage
 Natural air cooling
 Class II isolation level
 By LPS
 Three Year Warranty

Application

Industrial electrical installation
 Mechanical equipment
 Industrial automation equipment
 Handheld electronic equipment

Dimensions and Installation



CB SCHEME

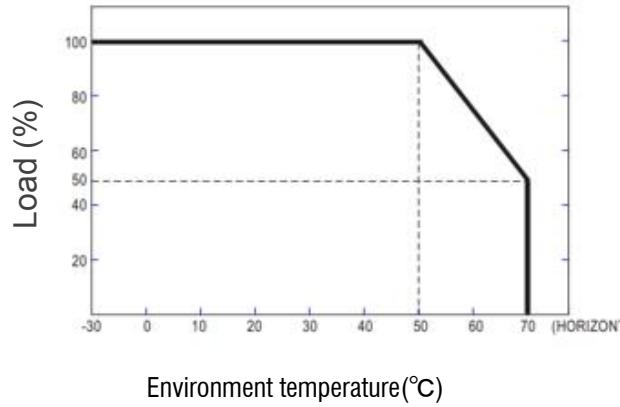


YSM15 SERIES

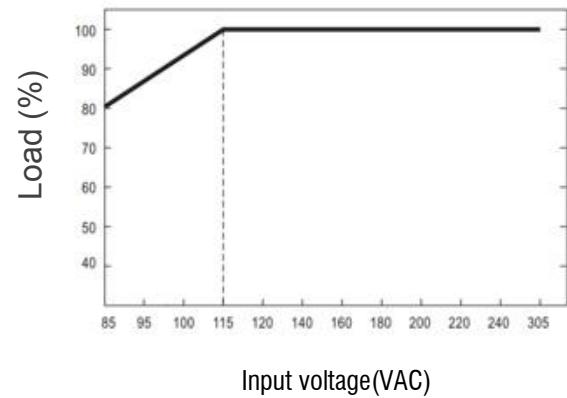
| MODEL DETAIL SPEC. | | YSM15-0333000 | YSM15-0503000 | YSM15-1201250 | YSM15-1501000 | YSM15-2400630 |
|--------------------|--------------------------|--|---------------|---------------|---------------|---------------|
| OUTPUT | DC Voltage: | 3.3V | 5V | 12V | 15V | 24V |
| | Rated Current: | 3A | 3A | 1.25A | 1A | 0.63A |
| | Rated Power: | 11.55W | 15W | 15W | 15W | 15W |
| | Ripple and Noise: | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p |
| | Line Regulation: | $\pm 0.3\%$ | | | | |
| | Load Regulation: | $\pm 0.5\%$ | | | | |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | | |
| | Efficiency : | 74% | 78% | 82% | 82% | 83% |
| | AC Current: | 0.35A/115VAC 0.2A/230VAC 0.17A/277VAC | | | | |
| | Inrush Current: | COLD START 20A/115VAC 40A/230VAC | | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | | |
| PROTECTIO N | Over Load Protection: | 115% ~ 190% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | | |
| OTHER | MTBF: | > 50000h | | | | |
| | Size: | 52.4*27.2*24 mm | | | | |

YSM15 SERIES

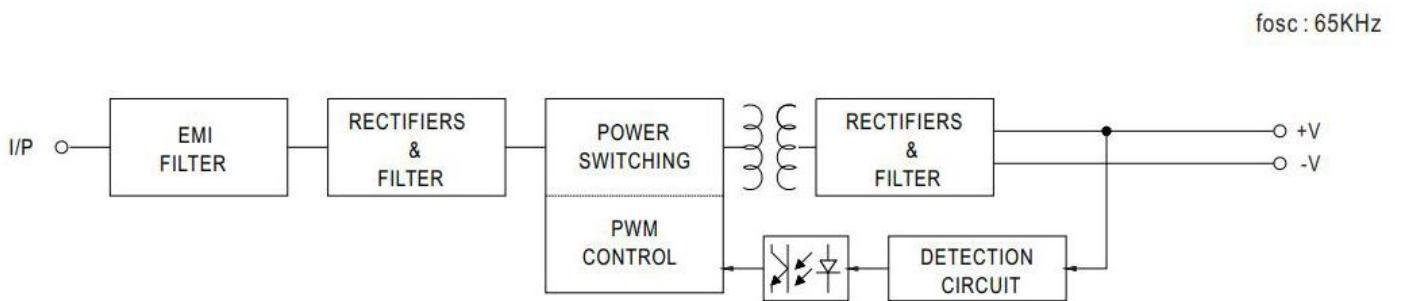
**Deduction curve
and temperature**



**Minus output
and input voltage curves**



Functional Diagram



YSM20 SERIES

**Input:85-277VAC 50/60Hz
Output Voltage: 5V-24V DC
Rated Power :20W max**



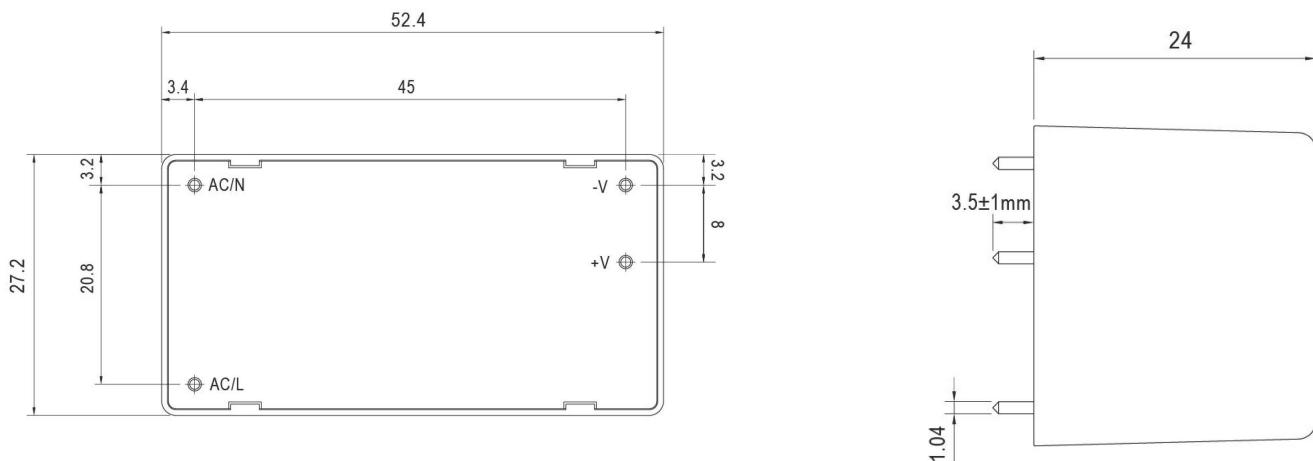
Features

- Compact appearance
- International general input 85-277VAC
- No-load power consumption < 0.1 W
- EMC meets Class B requirements without additional components
- Wide operating temperature range from -30 °C to 70°C
- Protection type: short circuit / over load / over voltage
- Natural air cooling
- Class II isolation level
- By LPS
- Three Year Warranty

Application

- Industrial electrical installation
- Mechanical equipment
- Industrial automation equipment
- Handheld electronic equipment

Dimensions and Installation

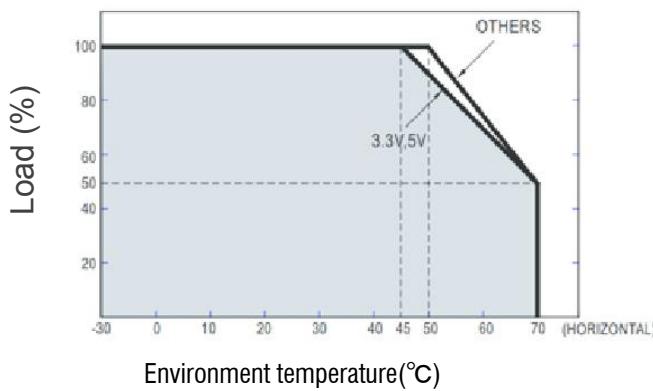


YSM20 SERIES

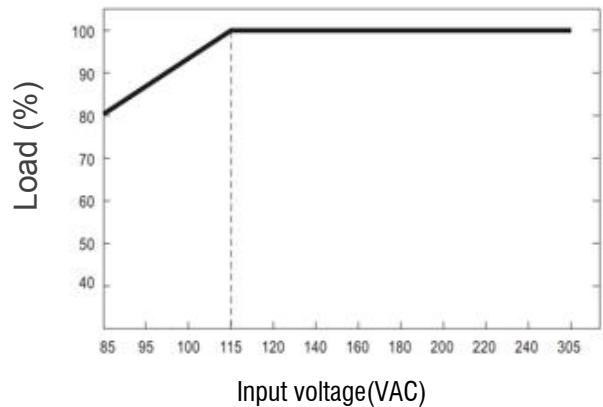
| MODEL DETAIL SPEC. | | YSM20-0503000 | YSM20-1201800 | YSM20-1501400 | YSM20-2400900 |
|--------------------|--------------------------|--|---------------|---------------|---------------|
| OUTPUT | DC voltage: | 5V | 12V | 15V | 24V |
| | Rated Current: | 3A | 1.8A | 1.4A | 0.9A |
| | Rated Power: | 20W | 21.6W | 21W | 21.6W |
| | Ripple and Noise: | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p |
| | Line Regulation: | ±0.5% | ±0.3% | ±0.3% | ±0.3% |
| | Load Regulation: | ±1% | ±0.5% | ±0.5% | ±0.5% |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | |
| | Efficiency : | 79% | 84% | 84% | 85% |
| | AC Current: | 0.6A/115VAC 0.4A/230VAC 0.3A/277VAC | | | |
| | Inrush Current: | COLD START 20A/115VAC 40A/230VAC | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | |
| PROTECTION | Over Load Protection: | 115% ~ 160% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | |
| OTHER | MTBF: | > 50000h | | | |
| | Size: | 52.4*27.2*24 mm | | | |

YSM20 SERIES

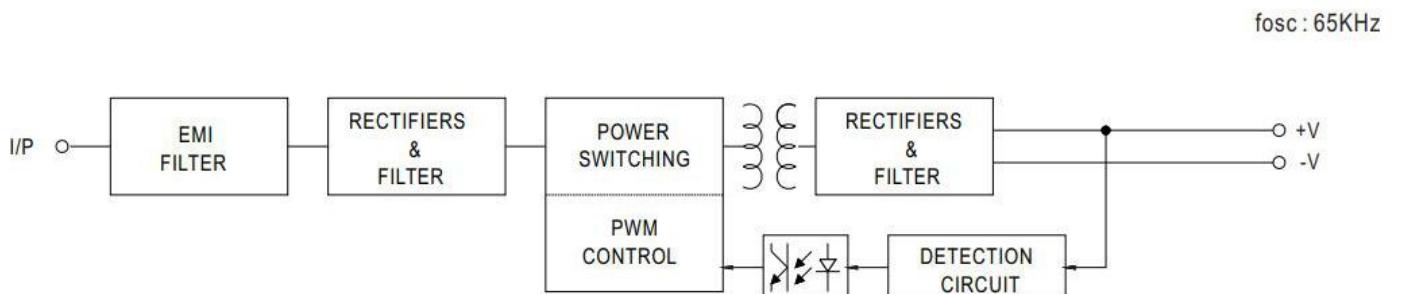
Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram



YSM30 SERIES



Input:85-277VAC 50/60Hz
Output Voltage: 12V-48V DC
Rated Power :30W max

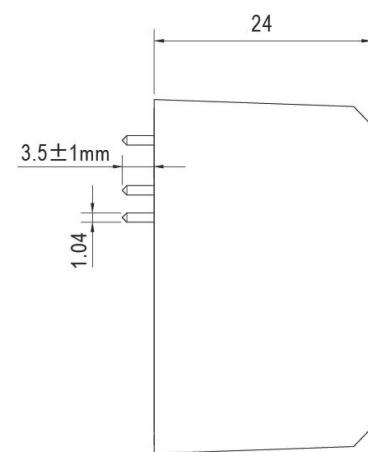
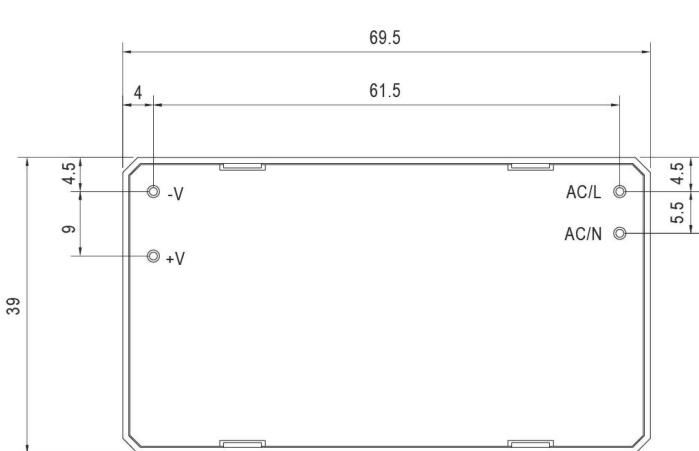
Features

Compact appearance
 International general input 85-277VAC
 No-load power consumption < 0.1 W
 EMC meets Class B requirements without additional components
 Wide operating temperature range from -30 °C to 70°C
 Protection type: short circuit / over load / over voltage
 Natural air cooling
 Class II isolation level
 By LPS
 Three Year Warranty

Application

Industrial electrical installation
 Mechanical equipment
 Industrial automation equipment
 Handheld electronic equipment

Dimensions and Installation

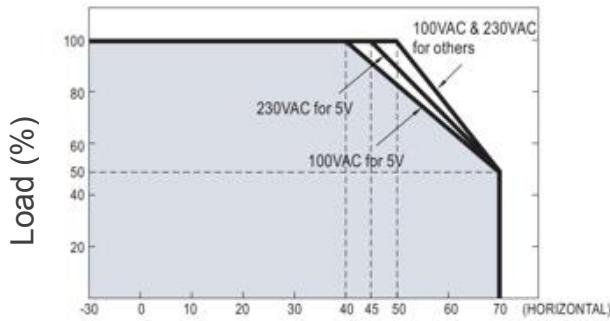


YSM30 SERIES

| MODEL DETAIL SPEC. | | YSM30-1202500 | YSM30-1502000 | YSM30-2401250 | YSM30-4800630 |
|--------------------|--------------------------|--|---------------|---------------|---------------|
| OUTPUT | DC Voltage: | 12V | 15V | 24V | 48V |
| | Rated Current: | 2.5A | 2A | 1.25A | 0.63A |
| | Rated Power: | 30W | 30W | 30W | 30W |
| | Ripple and Noise: | 150mVp-p | 200mVp-p | 240mVp-p | 300mVp-p |
| | Line Regulation: | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | Load Regulation: | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | |
| | Efficiency: | 88% | 88% | 88.5% | 90% |
| | AC Current: | 0.6A/115VAC 0.4A/230VAC 0.3A/277VAC | | | |
| | Inrush Current: | COLD START 20A/115VAC 40A/230VAC | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | |
| PROTECTION | Over Load Protection: | 115% ~ 160% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | |
| OTHER | MTBF: | > 50000h | | | |
| | Size: | 69.5*39*24mm | | | |

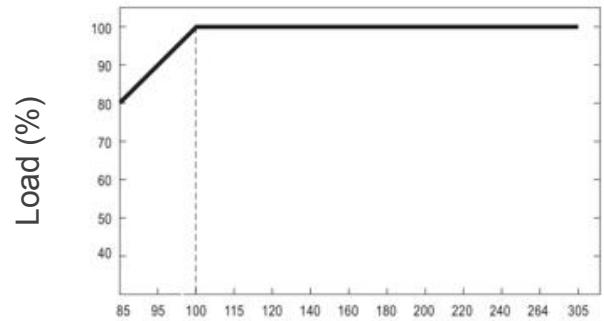
YSM30 SERIES

Deduction curve and temperature



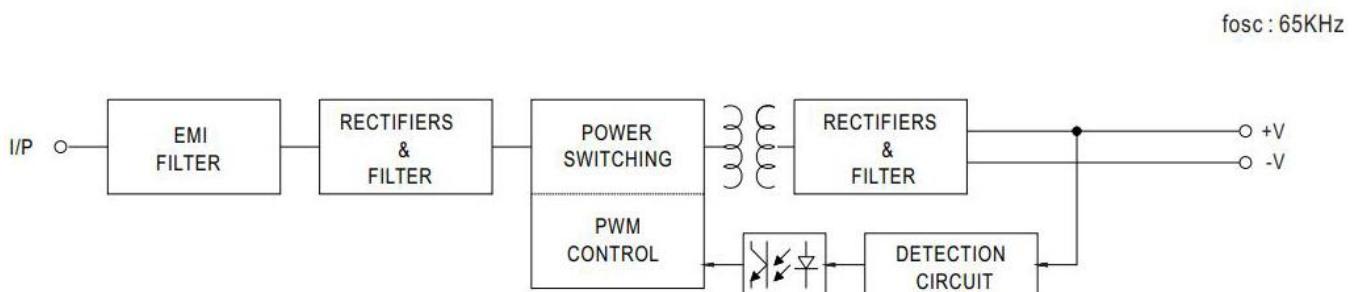
Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram



YSM45 SERIES



Input: 85-277VAC 50/60Hz
Output Voltage: 12V-48V DC
Rated Power : 45W max

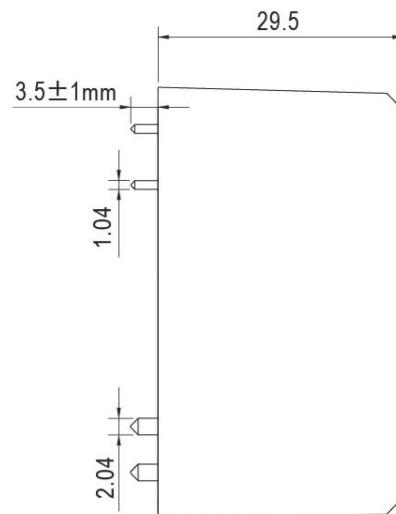
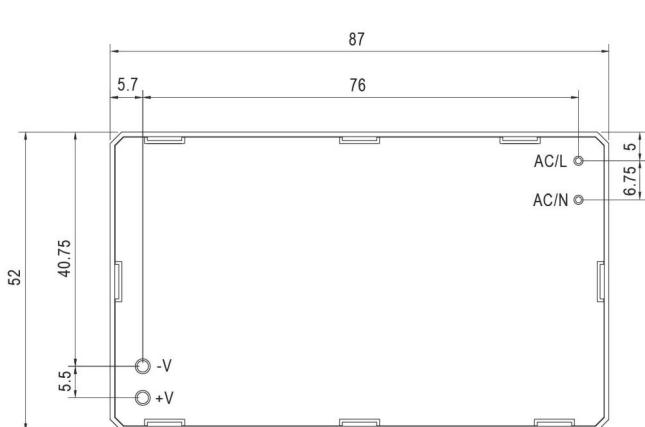
Features

Compact appearance
 International general input 85-277VAC
 No-load power consumption < 0.1 W
 EMC meets Class B requirements without additional components
 Wide operating temperature range from -30 °C to 70°C
 Protection type: short circuit / over load / over voltage
 Natural air cooling
 Class II isolation level
 By LPS
 Three Year Warranty

Application

Industrial electrical installation
 Mechanical equipment
 Industrial automation equipment
 Handheld electronic equipment

Dimensions and Installation

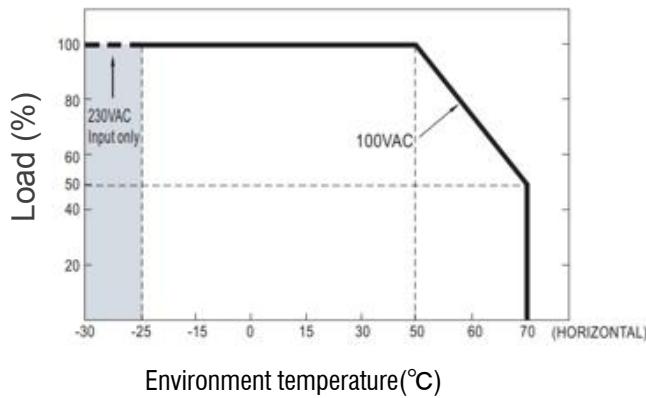


YSM45 SERIES

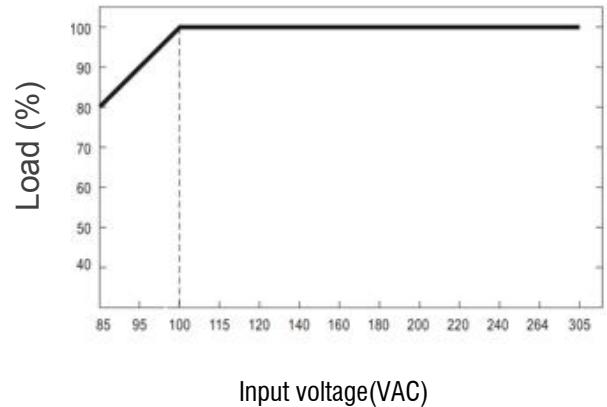
| MODEL DETAIL SPEC. | | YSM45-1203800 | YSM45-1503000 | YSM45-2401900 | YSM45-4800940 |
|--------------------|--------------------------|--|---------------|---------------|---------------|
| OUTPUT | DC Voltage: | 12V | 15V | 24V | 48V |
| | Rated Current: | 3.8A | 3A | 1.9A | 0.94A |
| | Rated Power: | 45W | 45W | 45W | 45W |
| | Ripple and Noise: | 150mVp-p | 180mVp-p | 200mVp-p | 300mVp-p |
| | Line Regulation: | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | Load Regulation: | ±1% | ±0.5% | ±0.5% | ±0.5% |
| INPUT | Input Voltage: | 85-277VAC 50/60Hz | | | |
| | Efficiency: | 87.5% | 88.5% | 89.5% | 90.5% |
| | AC Current: | 1.5A/115VAC 0.9A/230VAC 0.75A/277VAC | | | |
| | Inrush Current: | COLD START 30A/115VAC 60A/230VAC | | | |
| | Leakage Current: | < 0.25mA/277VAC | | | |
| PROTECTION | Over Load Protection: | 115% ~ 160% rated output power, Protection type: Hiccup Mode recovers automatically after fault condition is removed | | | |
| | Over Voltage Protection: | 115% ~ 135%, Protection Type: Clamp by Zener Diode | | | |
| SAFETY & EMC | Safety Regulations: | IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved | | | |
| | Withstand Voltage: | I/P-O/P:3KVAC | | | |
| | EMC Emission: | EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3 | | | |
| OTHER | MTBF: | > 50000h | | | |
| | Size: | 87*52*29.5mm | | | |

YSM45 SERIES

Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

