

**YSM45 SERIES**



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

**Features**

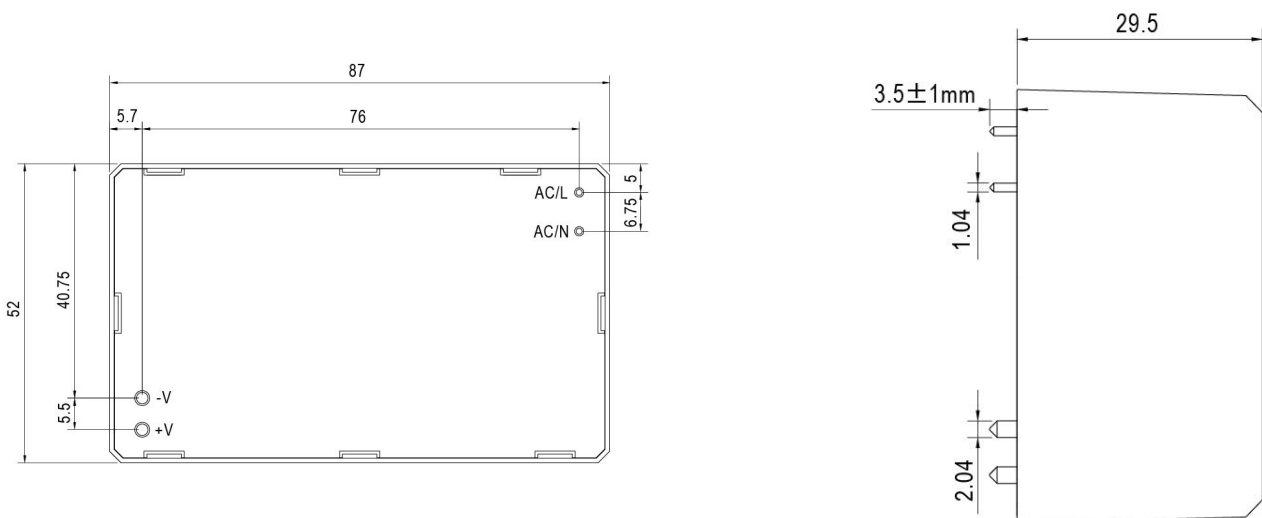
- Compact appearance
- International general input 85-277VAC
- No-load power consumption < 0.1 W
- EMC meets Class B requirements without additional components
- Wide operating temperature range from -30 °C to 70°C
- Protection type: short circuit / over load / over voltage
- Natural air cooling
- Class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

**Application**

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



**■ Dimensions and Installation**

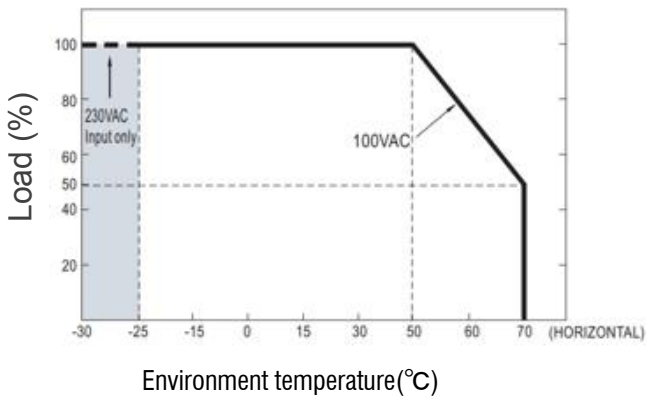


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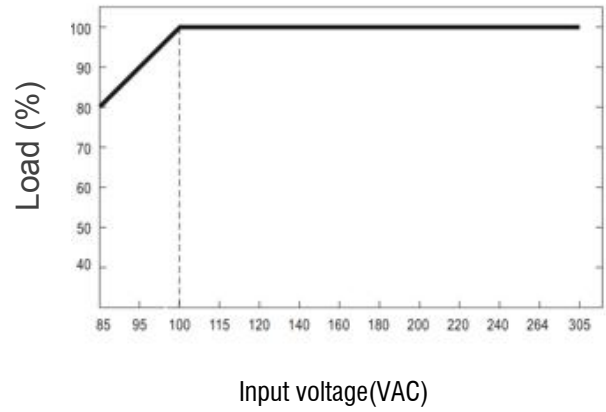
MODEL DETAIL SPEC.		YSM45-1203800	YSM45-1503000	YSM45-2401900	YSM45-4800940
OUTPUT	DC Voltage:	12V	15V	24V	48V
	Rated Current:	3.8A	3A	1.9A	0.94A
	Rated Power:	45W	45W	45W	45W
	Ripple and Noise:	150mVp-p	180mVp-p	200mVp-p	300mVp-p
	Line Regulation:	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation:	±1%	±0.5%	±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			

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**Deduction curve and temperature**



**Minus output and input voltage curves**



**Functional Diagram**

fosc : 65KHz

