

Features

- Universal Input 90~264V AC / 127~370 V DC 47/63Hz
- DC Output Adjustable
- Built-in active PFC function
- Protection: OLP, OVP, SCP
- 100% full load burn-in test
- 3 years warranty



Ideal Power's 56YSDN240-xy 240W DIN Rail Mount AC/DC Power Supply Converter Series are certified to cURus, CE, RoHS & IEC/UL/EN62368 and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Voltage (V DC)	Output Current (A)	Output Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSDN240-24010000	24	10	240	87	150
56YSDN240-48005000	48	5	240	88	150

Input Specifications

Input Electrical Phase	Single
Line Frequency	47-63Hz
Inrush Current	25 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load
AC Current	0.88A/115VAC 0.48A/230VAC
Efficiency Type	82~89% Depending on Model
Leakage Current	<0.25mA/240VAC

Output Specifications

Output Voltage Adjustment	+/- 10% Depending on Model
Ripple and Noise	80~150 mV Depending on Model
Line Regulation	± 1%
Load Regulation	± 1%
Isolation Resistance	I/P-O/P:100M Ohms / 500VDC / 25 / 70% RH
Setup, Rise, Hold Up time	500mS/50mS/12mS(115V/60HZ MAX ROAD), 500mS/50mS/30mS(230V/50HZ MAX ROAD)
MTBF	200000 h

Operational Environment

Operating Humidity	20% ~ 90% RH non-condensing
Operating Temperature Range	-20°C to 50°C,Full load, Normal operation.
Storage Temperature Range	-40°C to 80°C
Storage Humidity	10% ~ 95% RH
Cooling	Cooling

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	58mm x 35mm x 90mm
Overall Length	90mm
Overall Depth	58mm
Overall Width	35mm
Weight	120g

Approvals

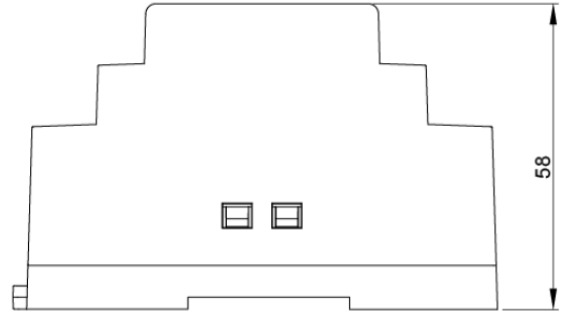
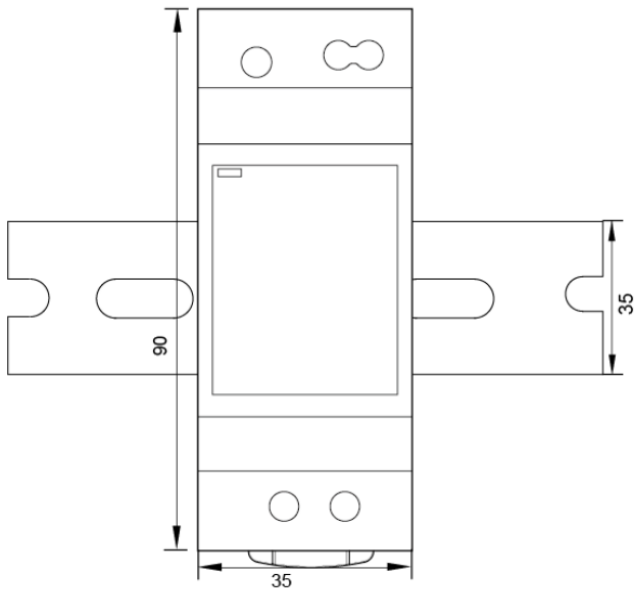
Safety Standard	UL60950-1, UL508, , BSMI CNS14336-1,TUV EN61558-2-16 IEC60950-1, EAC TPTC 004,TUV EN60950-1
EMC Emissions	EN55032(CISPR32), CNS13438 Class B ,EN61000-3-2 Class A ,EN61000-3-3,EN61000-4-2,3,4,5,6,8,11,EN55024, EN55035, EN61000-6-2, EN61204-3

Protection Category

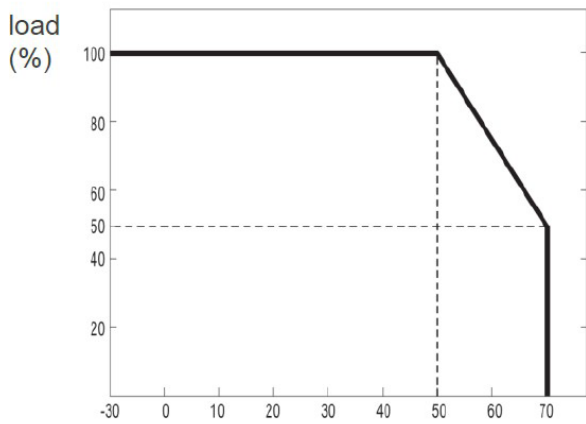
IP Rating	IP20
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Mechanical Drawing

■ Dimensions and Installation:

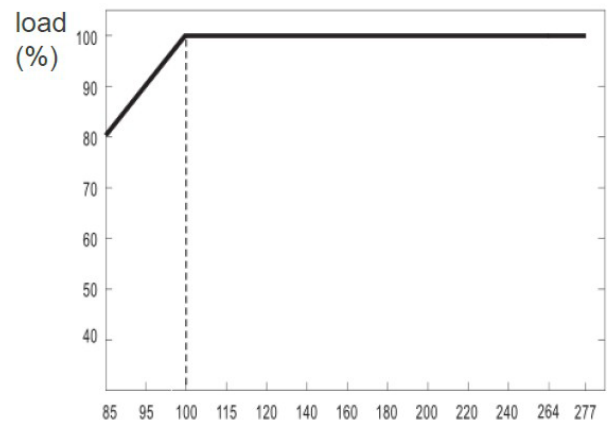


■ Deduction curve and temperature:



Environment temperature(°C)

■ Minus output and input voltage curves:



Input voltage(VAC)