

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-RS	24	10	240	87	150
56YSDN240-48005000-RS	48	5	240	88	150

Input Specifications

Input Electrical Phase	Single
Line Frequency	47-63Hz
Power Factor	>0.98/115V AC / >0.95/230V AC @ Full Load
Inrush Current	20 Amps max. at 115VAC/60Hz, full load & 35Amps max. at 240VAC/50Hz, full load
AC Current	2.5A/115VAC 1.3A/230VAC
Leakage Current	<1mA/240VAC

Output Specifications

Output Voltage Adjustment	+/- 10% Depending on Model
Voltage Tolerance	± 2%
Ripple and Noise	150 mVp-p Depending on Model
Line Regulation	± 0.5%
Load Regulation	± 1%
Setup, Rise, Hold Up time	1500mS/100mS(115V/60HZ), 3000mS/100mS(230V/50HZ) Full Load

Operational Environment

Operating Temperature Range	20°C ~ 70°C
Operating Humidity	-20% to 95% RH non-condensing
Storage Temperature Range	-40°C to 85°C
Storage Humidity	10% ~ 95% RH
MTBF	200k hrs

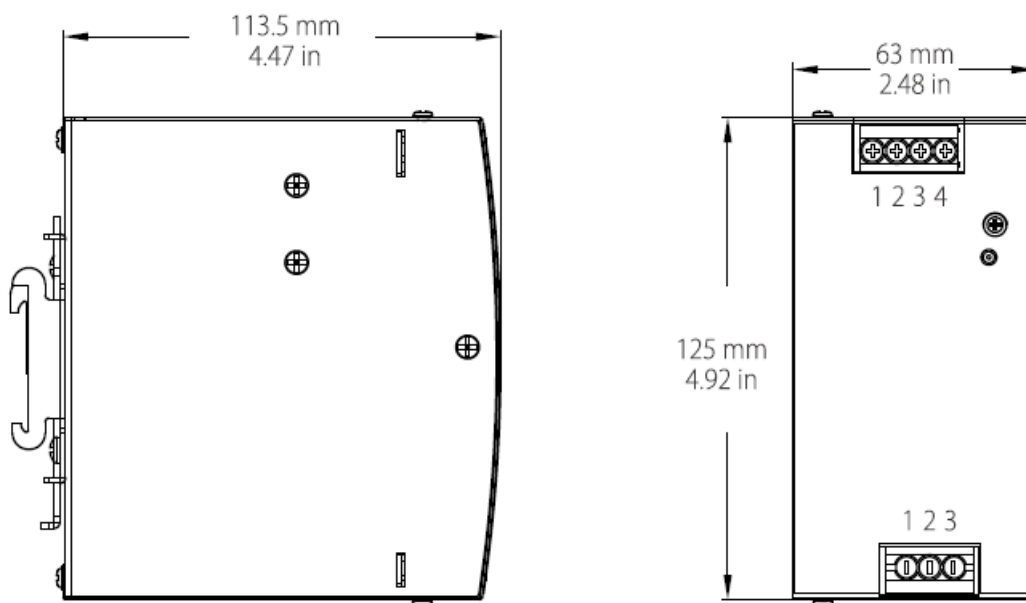
Mechanical Specifications

Housing Material	Fully Enclosed Metal Case
Overall Dimensions	63mm x 125mm x 113mm
Weight	1kg

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

Mechanical Drawing



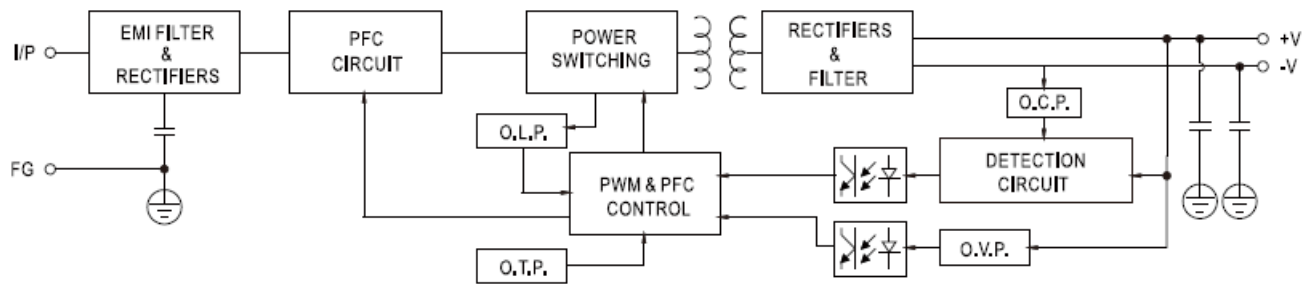
Input

No.	Description
1	FG ⚡
2	AC/N or DC -
3	AC/L or DC +

Output

No.	Description
1,2	DC OUTPUT -V
3,4	DC OUTPUT+V

Block Diagram



Curves

