

#### **Features**

Universal Input 90~264VAC 50/60Hz

Output Voltages: 5-24V DC

IEC/UL/EN 60950-1

Meets the latest Safety Standards and Approvals

Single Output to 30W

High Efficiency

• 100% Full load burn-in Test

Low Ripple & Noise

Class II

Protection: Overload/Over voltage/Short circuit

Dimensions: 58 x 35 x 90mm

Weight: 120g



The 30W Series is a cost-effective, energy efficient DIN-rail mount AC-DC converter. The products offers cULus, LVD 60950-1 & EMC EN 55032 compliant products. These AC-DC converters come in at 120g meaning they are light and compact. They are ideal for applications such as Industrial automation, control equipment and electronic systems as well as many other applications.

Models			
Model Number	Output Voltage	Output Current	Output Power
56YSD30S-0503000	5V DC	3A	15W
56YSD30S-1202500	12V DC	2.5A	30W
56YSD30S-1502000	15V DC	2A	30W
56YSD30S-2401250	24V DC	1.25A	30W

#### **General Specification**

DIN Rail Power Supply	
AC	
DC	
1	
Din Rail Mount	
Screw Terminal Type	
>130%-200% rated output power (Hiccup mode, recovers automatically after fault condition is removed)	
110% - 180%	
Protection to Zero Voltage	
110~145% (Protection Type: Clamp by zener diode)	



### 56YSD30S 30W DIN Rail Series

# 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		

### **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	
<b>Operating Temperature Range</b>	-20°C to 50°C,Full load, Normal operation.	
Storage Temperature Range	-40°C to 80°C	
Storage Humidity	10% ~ 95% RH	
Cooling	Cooling	

# **Protection Category**

IP Rating	IP20	



## 56YSD30S 30W DIN Rail Series

#### **Approvals**

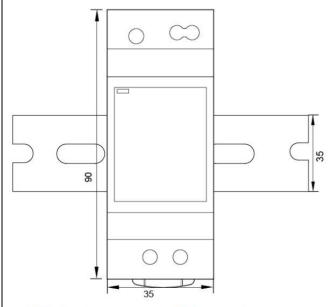
**Safety Standard** UL60950-1, UL508, , BSMI CNS14336-1,TUV EN61558-2-16 IEC60950-1, EAC TPTC 004,TUV EN60950-1

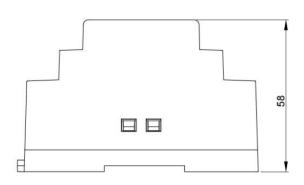
**EMC Emissions** 

EN55032(CISPR32), CNS13438 Class B ,EN61000-3-2 ClassA ,EN61000-3-3,EN61000-4-2,3,4,5,6,8,11, EN55024, EN55035, EN61000-6-2, EN61204-3

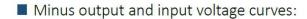
### **Mechanical Drawing**

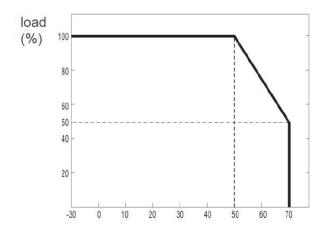
■ Dimensions and Installation:





■ Deduction curve and temperature:





Environment temperature(°C)

