



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



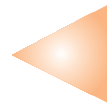
## Contact us

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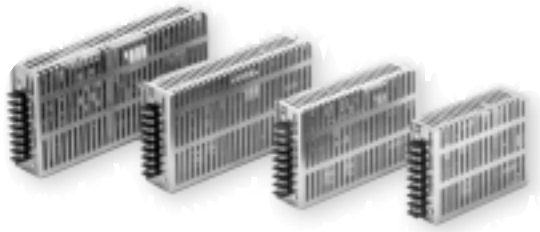
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# SX30U

## 30 Watt, 120 VAC Input Fully Enclosed Switching Power Supply



### FEATURES

- ✔ **OVERVOLTAGE PROTECTION**
- ✔ **OVERCURRENT PROTECTION**
- ✔ **COMPACT SIZE / HIGH RELIABILITY**
- ✔ **CONVECTION COOLED**
- ✔ **ON/OFF LED LIGHT**
- ✔ **ADJUSTABLE OUTPUTS**
- ✔ **3 YEAR CONTINUOUS USE WARRANTY**

### SAFETIES / EMI



FCC-B  
CISPR-B  
VCCI-2

### ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

### INPUT SPECIFICATIONS

Input Voltage.....	85-132 VAC
Input Frequency.....	50/60 Hz (47-63Hz)
Input Current.....	0.7 A (typ)
Inrush Current.....	20 A (typ)

### OUTPUT SPECIFICATIONS

Output Voltage.....	See chart
Output Adjustment.....	± 10%
Efficiency.....	72-79%
Over-Voltage Protection.....	Zener Limiter
Over-Current Protection.....	Over 105% (Automatic Recovery)
Ripple and Noise.....	150 mVp-p
Hold-Up Time.....	20 mS (typ)
Line/Load Regulation.....	See Chart
Rise Time.....	100 mS max.
Leakage Current.....	0.5 mA max.

### GENERAL SPECIFICATIONS

MTBF.....	>260,000 Hours
Isolation Voltage	
Primary to Secondary.....	AC 2000V
Primary to Case.....	AC 2000V
Secondary to Case.....	AC 500V
Isolation Resistance.....	Input - Output Case 100 M-Ohm min

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....	0°C ~ +60°C
	Derates linearly 2.5%/°C after 50°C
Cooling.....	Convection
Temperature Coefficient.....	0.02% / °C
Humidity.....	20 - 85% RH (not-condensing)
Storage Temperature.....	-20°C ~ +85°C
Shock/Vibration.....	20G (3 Directions)

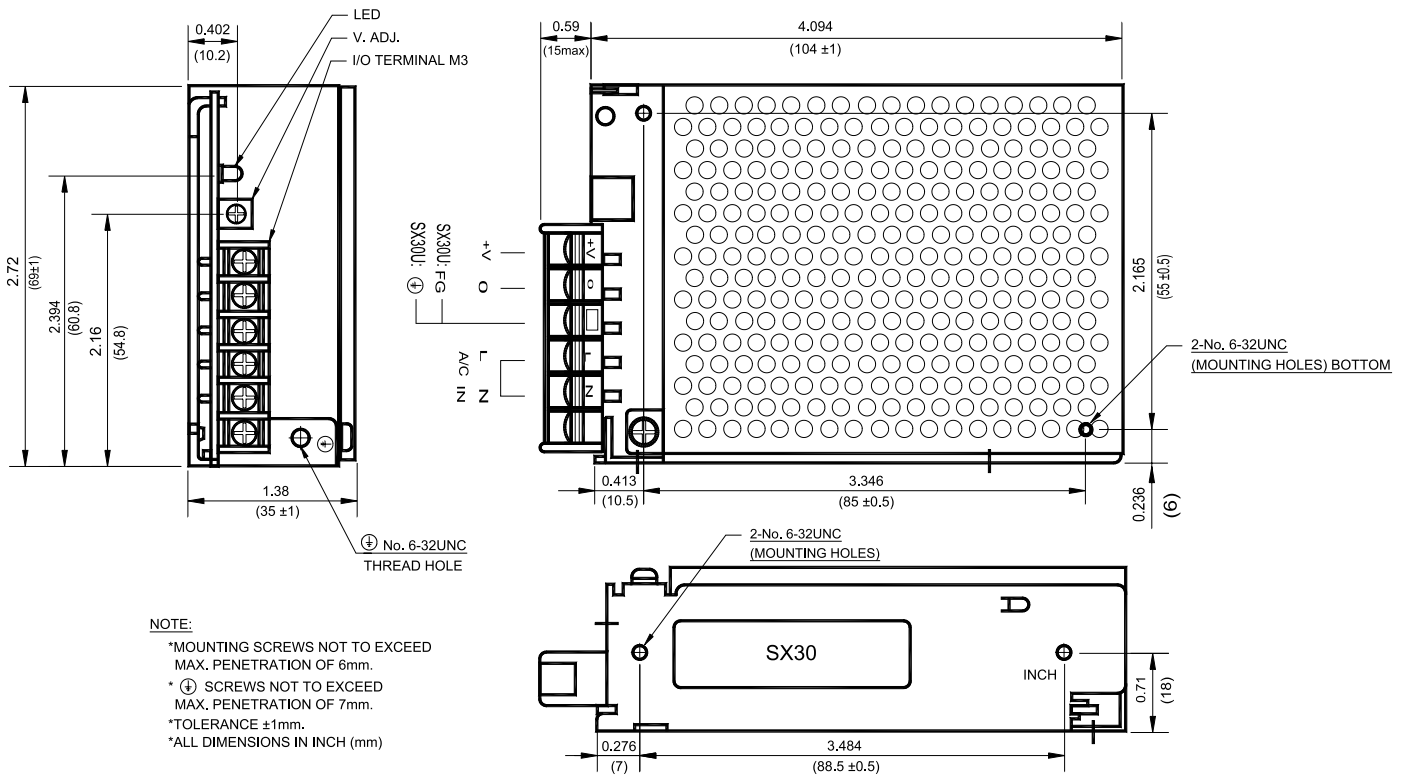
### PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

# Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (TYP)	LINE REGULATION	LOAD REGULATION	RIPPLE NOISE
<b>SX30U-05S</b>	5 VDC	6.0 A	72%	20 mV	40 mV	150 mVp-p
<b>SX30U-12S</b>	12 VDC	2.6 A	76%	30 mV	60 mV	150 mVp-p
<b>SX30U-15S</b>	15 VDC	2.1 A	77%	30 mV	60 mV	150 mVp-p
<b>SX30U-24S</b>	24 VDC	1.4 A	79%	30 mV	60 mV	150 mVp-p

## SX30U



**NOTE:**

- \*MOUNTING SCREWS NOT TO EXCEED MAX. PENETRATION OF 6mm.
- \* Ⓡ SCREWS NOT TO EXCEED MAX. PENETRATION OF 7mm.
- \*TOLERANCE ±1mm.
- \*ALL DIMENSIONS IN INCH (mm)

**NOTE:**

All specifications typical and nominal / full load and 25°C unless otherwise noted.  
 Mounting screw length should not exceed 0.24 inches or 6mm.  
 Avoid sustained operation in overload or dead short conditions.  
 Specifications subject to changes without notice.

- No. 6-32 mounting holes standard
- Dimensions in mm
- Terminal block or "pin" type connector available