

60W Single Output Switching Power Supply

S60-xxS series

■ Features :

Universal AC input : AC 100 - 240V

Protections : Short circuit, Overload, Over voltage, Temperature Shutdown.

Internally Fixed Frequency at 60KHz

PWM Current-Mode Controller

Input-Output Isolated Circuit

High Efficiency

Low No-Load Standby Power

Cooling by Free Air Convection

LED Indicator for Power On

SAFETY, EMC : CE Approved

Compliance with RoHS

MAX POWER : 60W

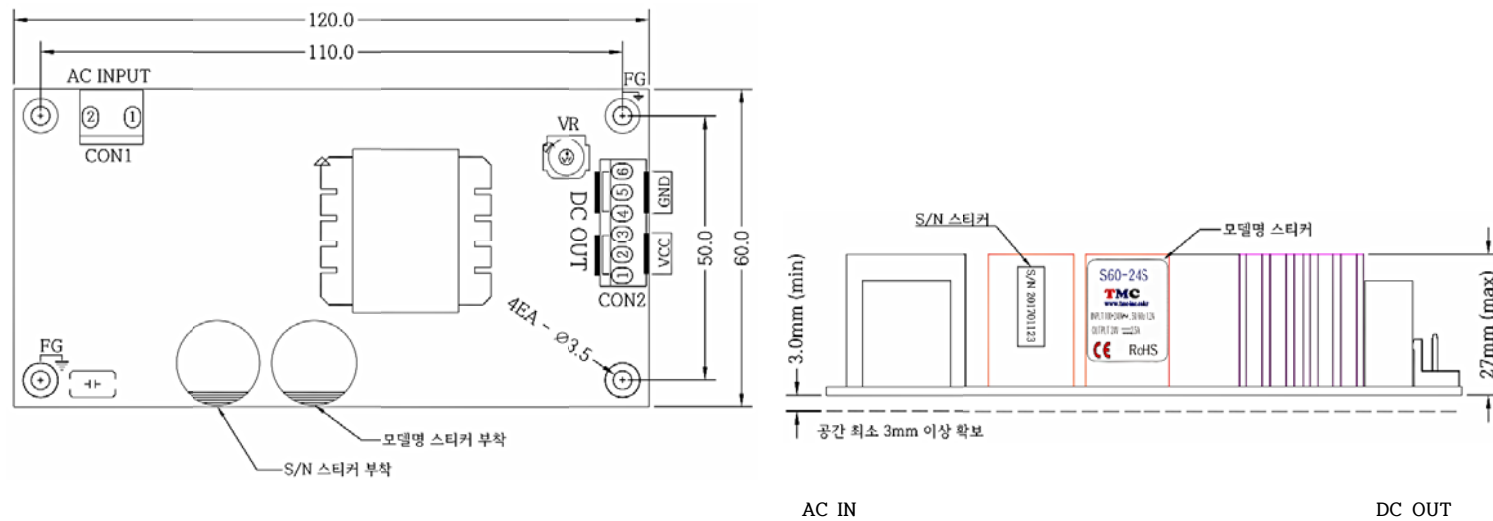
Open Frame Type

4.8×2.4" compact size

MODEL		S60-12S	S60-24S
INPUT	VOLTAGE RANGE	100-240VAC, 140-340VDC	
	FREQUENCY RANGE	50/60Hz	
	EFFICIENCY (Typ.)	> 80%	> 84%
	AC CURRENT (Typ.)	1.2A/110VAC, 0.6A/220VAC	
	INRUSH CURRENT (Typ.)	COLD START 60A/230VAC	
	LEAKAGE CURRENT	<2mA/240VAC	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	5A	2.5A
	CURRENT RANGE	0 - 5A	0 - 2.5A
	RATED POWER	60.0W	60.0W
	RIPPLE & NOISE (max.)	< 300mVp-p	< 300mVp-p
	VOLTAGE ADJ. RANGE (No Load)	10 - 14V	21 - 26V
	VOLTAGE TOLERANCE	±1%	±1%
	LINE REGULATION	±1%	±1%
	LOAD REGULATION	±1%	±1%
PROTECTION	OVER LOAD	110 - 140% rated output power	
		Protection type : Internal Output Short-Circuit Protection	
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C	
	WORKING HUMIDITY	20 ~ 90% RH	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C(0 ~ 50°C)	
SAFETY, EMC, RoHS	SAFETY	CE APPROVED : Compliance to EN61000-3-2:2014, EN61000-3-3:2013, EN61204-3:2001, EN61000-4-2:2009	
	EMC	Compliance to EN55011:2009+A1:2010 (Group 1, Class A, EN61204-3:2001)	
	RoHS	Compliance to EN50581 : 2012, IEC 62321-1-3-1 : 2013	
OTHERS	DIMENSION	PCB : 120*60*29mm (L*W*H)	

■ Outline Dimension & Connector Pin Assignments

(단위 : mm)



- Drawing Description -

Connector Configuration

Part Number	Description	PIN No	Connect	Wire Harness
CON1	AC INPUT	1	AC INPUT L	
		2	N, C	
		3	AC INPUT N	
CON2	DC OUTPUT	1,2,3	DC OUT + (VCC)	
		4,5,6	DC OUT - (GND)	

Other Configuration

Parts	Description	
VR	Output Voltage Variable	↖ Higher Voltage
		↗ Lower Voltage
FG	Frame Ground (Chassis Ground)	

* Wire 연결 사양

입력(CON1) : YH396-03V (연호전자), AWG #16 Wire

출력(CON2) : YH396-06V (연호전자), AWG #16 Wire