

# SWS600HV SERIES

AC / DC Single Output: 600 Watts



## Features

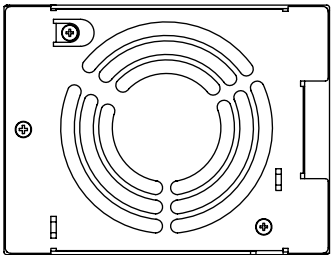
- Universal input 85 - 264VAC
- High output voltage 120VDC
- 600 watts power
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power Factor 0.95
- EMC EN55022, Immunity to EN61000-4
- Input – Output isolation
- High quality design
- Suitable for battery charging applications
- 19in Rack mount option.

## General Specifications

<b>Input Voltage</b>	85 ~ 264VAC, 120~370VDC
<b>Frequency</b>	47 ~ 63Hz
<b>Input Current</b>	7.2A / 3.6A (115 / 230VAC)
<b>Power Factor</b>	0.95
<b>Harmonics</b>	EN61000-3-2
<b>Output voltage</b>	120VDC
<b>Output Power</b>	600 watts
<b>Voltage adjustment</b>	See table, front panel trim pot
<b>Ripple &amp; Noise</b>	1.2V pk-pk
<b>Overload Protection</b>	Constant current limiting with auto recovery
<b>Over Voltage Protection</b>	Output shutdown, manual reset by recycling input power after 30 sec.
<b>Over Temperature Protection</b>	Output shutdown, manual reset by recycling input power after 30 sec.
<b>Line Regulation</b>	480mV
<b>Load Regulation</b>	720mV
<b>Hold-Up Time</b>	Typically 20ms

<b>Remote Sense</b>	YES
<b>Remote ON / OFF</b>	Yes (CNT – TOG)
<b>Output Fail Signal</b>	PF-TOG (Open Collector)
<b>Output Current Monitor</b>	CS to –S (0~5V for output current 0-5A)
<b>Indicator</b>	Front panel LED
<b>EMI</b>	EN55011 & EN55022-A
<b>Immunity</b>	EN61000-4
<b>Isolation</b>	Input – Output: 3000VAC Input – FG: 2000VAC Output – FG: 1000VAC
<b>Parallel Operation</b>	NO
<b>Operating Temp</b>	-0°C to +50°C at 100% load, 50% at 70°C
<b>Cooling</b>	Built-in fan
<b>Connector</b>	Screw terminals
<b>Dimensions</b>	SWS600HV: 216 x 120 x 92mm 2kg ( W x D x H ) ( Includes extending terminals )

Model	Output V A	Voltage Range	Power W
SWS600HV-120	120V 5A	108 ~ 130V	600W



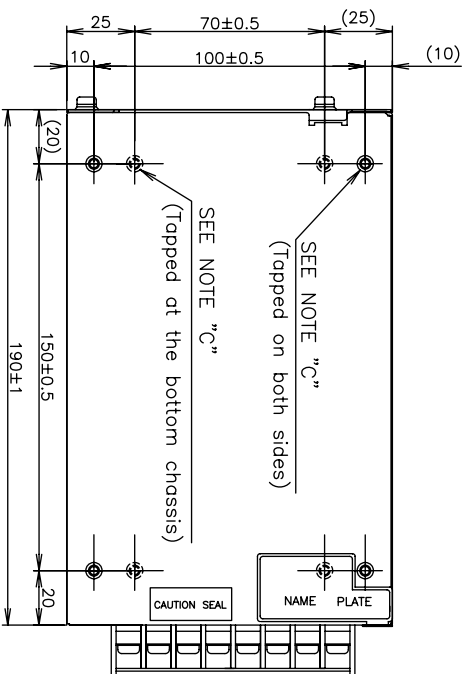
DETAIL OF CAUTION SEAL

**ELECTRIC SHOCK HAZARDOUS ON THE CONNECTORS**

\*Caution: This power supply delivers hazardous output voltage. All outputs(including control signals) are considered as hazardous secondary voltage. These outputs need to be protected so that inadvertent contact by a service person cannot occur. Output circuits must be protected from the operator by reinforced insulation in accordance with EN60950.

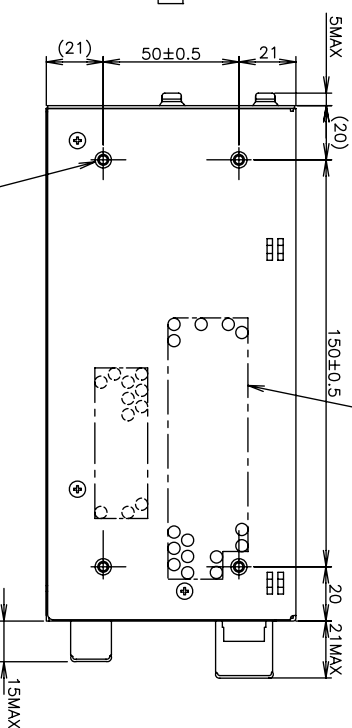
===== ACCESSORIES =====

- \* Cover for barrier terminal strip ----- 2  
(Mounted on terminal strip at time of shipment)
- \* Metal piece for shorting "TOG" & "CNT" ----- 1  
(Mounted on terminal strip at time of shipment)
- \* Metal piece for shorting "+S" & "+", "-S" & "-" ----- 2  
(Mounted on terminal strip at time of shipment)

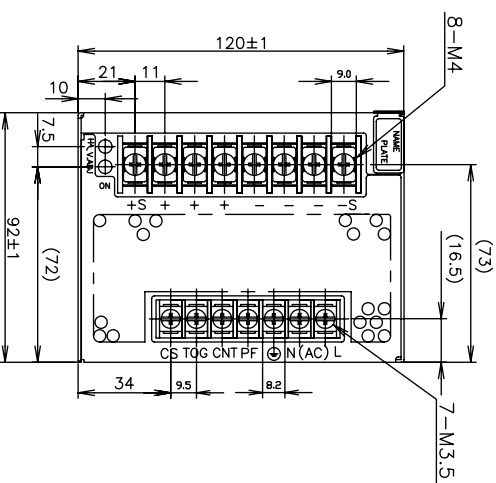


Holes at the opposite chassis

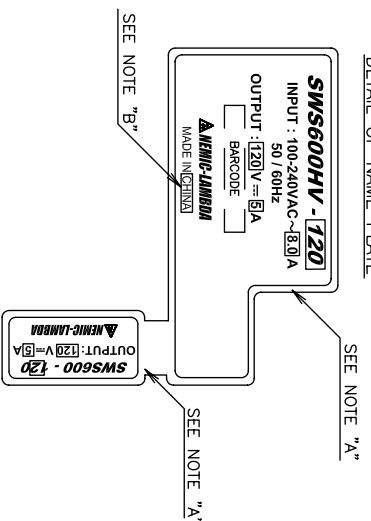
AIR FLOW



**TENTATIVE**



DETAIL OF NAME PLATE



- ==== NOTES =====
- A: Model name, nominal output voltage and maximum output current are shown here in accordance with the specifications.
  - B: Country of manufacture will be shown here.
  - C: M4 tapped holes (20) for customer chassis mounting.  
(Screws must not protrude into power supply)  
(by more than 6m/m).

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SCALE 1/2 MATERIALS SWS600HV-120 TITLE OUTLINE DRAWING

UNITS m/m FINISH DRAWING No. XCA750-02-01- DENISE-LAMBDA

D REV	-XI	NEW RELEASE	CONTENTS	DATE	ENGR	CHK	APPD
				07.Apr.'05	MinFeng	KEVIN	KT.NG

3RD ANGLE PROJECTION	FINISH	DRAWING No.
		XCA750-02-01-