

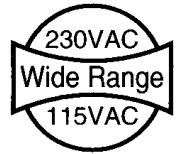


# ETA-USA

## High Quality Switching Power Supplies

1KW

85-264VAC



### Power - Factor Correction

# FHH-SX-U1

## Output Table

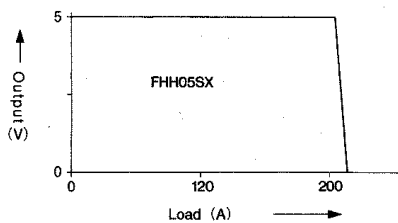
## SERIES

FHH-SX (85~264V)

163X250X93 (mm)

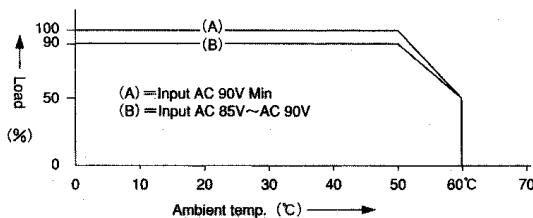
MODEL	OUTPUT		EFFICIENCY
	VOLTAGE	CURRENT	
FHH 3.3SX	3.3V	200A	68%
FHH 05SX	5V	200A	76%
FHH 06SX	6V	167A	78%
FHH 12SX	12V	88A	82%
FHH 15SX	15V	70A	81%
FHH 24SX	24V	44A	83%
FHH 30SX	30V	35A	83%
FHH 36SX	36V	29A	83%
FHH 48SX	48V	22A	83%

## Load & Output W.



This-Series is a new generation of powersupplies. Its the latest design following the international standard and market demands. This type of powersupply has all in one: Power factor correction, low line distortion according to EN 60555-2, electro magnetic interference (EMI) complies with EN 55022 B, FCC level B. Safety complies with EN 60950-1, UL 1950, CSA 234. High efficiency and power factor correction is an optimal combination of good cost-performance for both end-users and power production companies.

## Output Derating



## Special Features

1. Power factor 115Vac=0.99 230Vac=0.99
2. Harmonics acc. to EN 60555-2 IEC1000-3-2 3. N+1 Redundant
4. Parallel operation
5. EMI : complies with EN 55022 B, FCC class B
6. Safety : complies with to IEC 950 (approvals pending)

## Applications

Process control, Office-Equipment, Computer Peripherals, Telecommunication, Industrial Electronics and Machines, Household-Equipment

# FHH-SX SPECIFICATION

## GENERAL SPECIFICATION

<b>Power factor correction</b>	:Active filter circuit with boost converter
<b>Over-current protection</b>	:Constant current limiting
<b>Over-voltage protection</b>	:Output shutdown
<b>Remote control</b>	:Possible
<b>Remote sensing</b>	:Possible
<b>Switching frequency</b>	:130KHz Fixed
<b>Withstand voltage</b>	:(Input-Output) :AC3000V(1Minute) :(Input-Chassis) :AC2500V (1Minute) :(Output-Chassis):AC 500V (1Minute)
<b>Insulation resistance</b>	:(Input-Output-Chassis):50M MIN.
<b>Leakage current</b>	:AC 115VAC, 50Hz, 25°C 270A AC 230VAC, 50Hz, 25°C 550A
<b>Weight</b>	:3.9Kg

## ENVIRONMENT

<b>Operating temperature</b>	:-5 ~+50°C (See output derating curve)
<b>Storage temperature</b>	:-20~+85°C
<b>Humidity</b>	:85%
<b>Vibration</b>	:(5~10Hz) Amplitude (peak to peak) 10mm(constant) (10~55Hz) Acceleraton 2G (constant) X, Y, Z
<b>Shock</b>	:30G

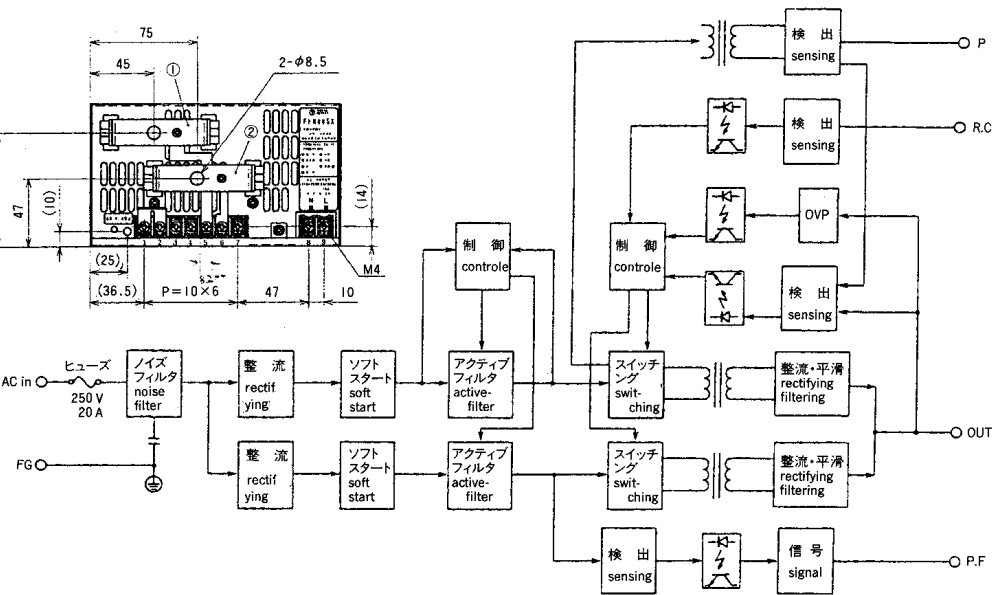
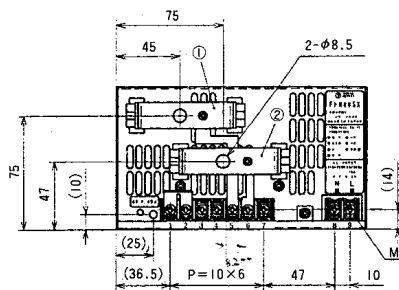
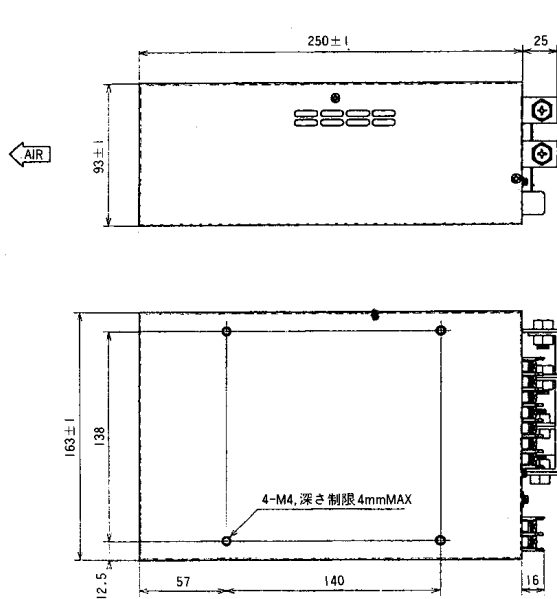
## INPUT

<b>Voltage nominal</b>	:115~230VAC
<b>Voltage range</b>	:85~264VAC
<b>Power factor &amp; harmonic correction range</b>	:85~255VAC
<b>Frequency</b>	:50/60Hz
<b>Current on full road</b>	:16A / 8A(Input 115V/230VAC)
<b>Inrush current</b>	:18A MAX.(Input 115VAC), 36A MAX. (Input 230VAC)
<b>Phase</b>	:Single

## OUTPUT

<b>Adjustable voltage</b>	:± 10%, typical
<b>Ripple &amp; noise</b>	:(Output V x 1%) + 100mVp-p MAX.
<b>Input regulation</b>	:0.5%MAX
<b>Load regulation</b>	:1.0%MAX
<b>Temperature coefficient</b>	:0.03% / °C
<b>Drift / Time effect</b>	:(Output V X 0.5%)+15mV/8H (After 1 H)
<b>Rise up time</b>	:500mS typ. @ 115 VAC in / 250mS typ. @230 VAC in
<b>Hold-up time</b>	:20mS MIN (at 25°C, Rated-Input-Output)

## Dimension (mm)



## Terminal Connection

端子NO	機能
1	R. C
2	R.C.G
3	P
4	P. F
5	- S
6	+ S

7	F G
8	AC in (N)
9	AC in (L)
①	-出力
②	+出力

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