



## 500W Single Output



### 500W Single Output

Product feature:

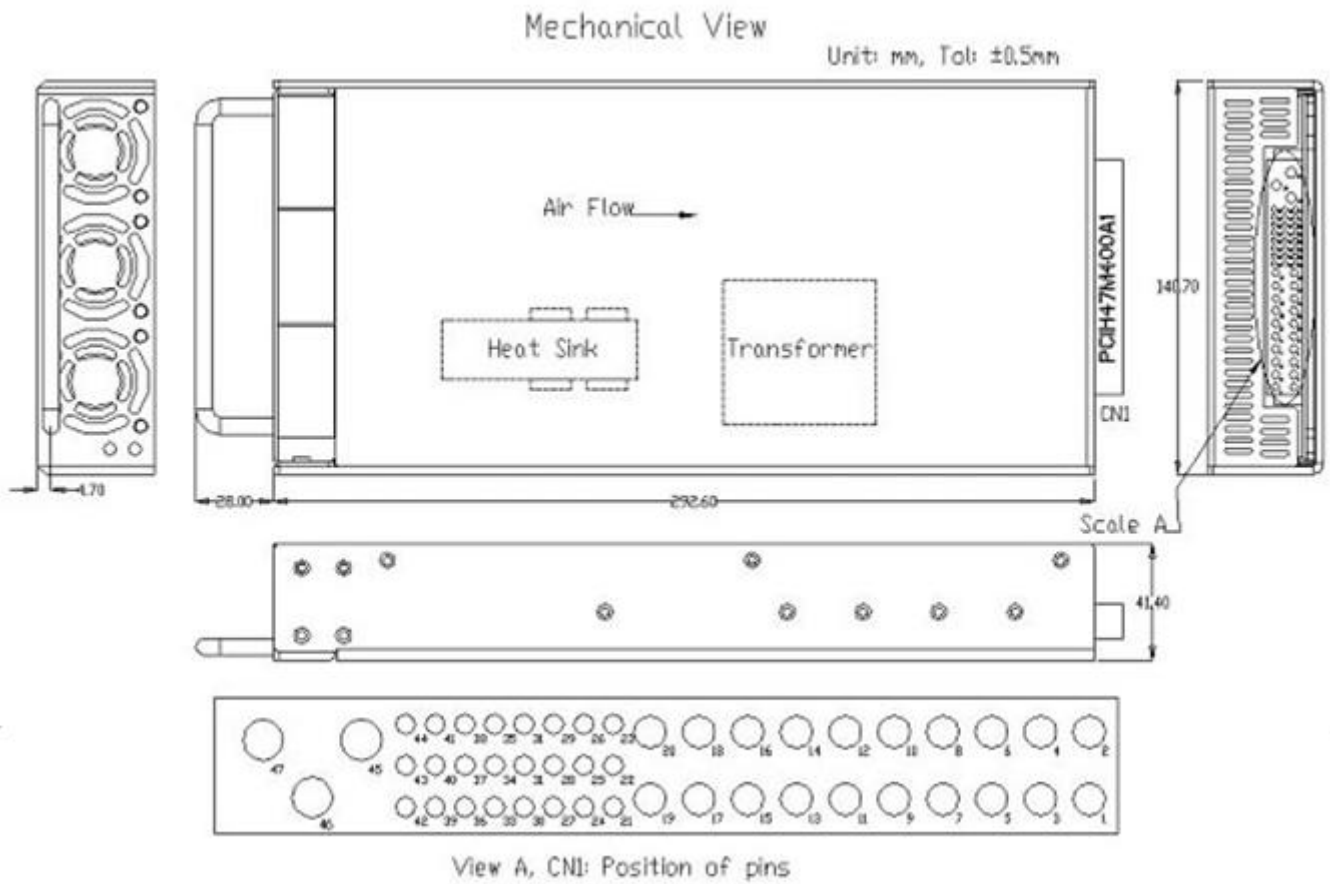
- 1.63" Low Profile
- Universal Single-phase Input: 90 ~ 264Vac
- Active PFC Meets EN61000-3-2
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 89% Typical
- Fan Speed Control Signal
- Standby Voltage -5VDC @ 500mA
- Over Temperature, Over load, and Over Voltage Protection
- N+1 PSU Hot Swap Redundant
- Remote Voltage Sense
- PS ON/OFF Remote Control (Inhibit PSU by Opening the pin)
- Power supply status indicators
- I2C protocol alarms, status, & control
- Connector CN1 : Positronic PCIH47M400A1 or equivalent

**Specifications:**

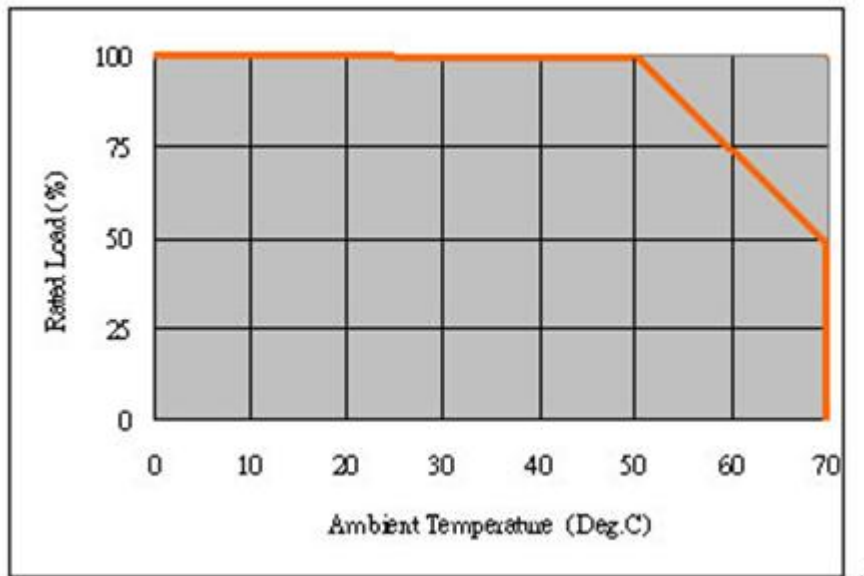
AC input voltage range:	90~264V AC
Input frequency:	47~63HZ
Inrush Current:	40A Max.
EMI:	CISPR/FCC Class B
Isolation:	Input to output = 4242Vdc
Leakage Current:	3.5mA max
Total Rated Output Power:	1200W (@90-132Vac)
	1600W (@180-264Vac)
Hold-up Time:	20mS typ
Operating Temperature:	0~70°C
Storage Temperature:	-40~85°C
Weight:	2.58kg

Model	Output Voltage	Output Current		Ripple & Noise	Voltage Accuracy	Line Reg.	Load Reg.
		Rated@180-264Vac	Rated@90-132Vac				
ESFG-1600-12	+12V	133.4	100	1%	±1%	±1%	±1%
ESFG-1600-24	+24V	66.7	50	1%	±1%	±1%	±1%
ESFG-1600-36	+36V	44.5	33.4	1%	±1%	±1%	±1%
ESFG-1600-48	+48V	33.4	25	1%	±1%	±1%	±1%

**Mechanical Outline**



**Derating Curve**





**Pin Connection**

Pin No.	Assignment	Pin No.	Assignment
1	Reserved	25	ADD GA0
2	Reserved	26	Reserved
3	Reserved	27	Enable (short pin)
4	Reserved	28	ADD GA1
5	Vout Return	29	Reserved
6	Vout Return	30	Reserved
7	Vout Return	31	ADD GA2
8	Vout Return	32	ADJ:Vout Trim Pin
9	Vout Return	33	+Vout Sense
10	Vout Return	34	-Vout Sense
11	Vout Return	35	Reserved
12	Vout Return	36	Reserved
13	Vout	37	FRU SCL
14	Vout	38	Reserved
15	Vout	39	Inhibit
16	Vout	40	FRU SDA
17	Vout	41	Current Share Signal
18	Vout	42	Power_Good Signal
19	Reserved	43	
20	Reserved	44	Reserved
21	+5VSB Output	45	Chassis Ground
22	Signal Return	46	AC Input Neutral
23	Reserved	47	AC Input Line
24	+5VSB Return		