

**Features**

- Universal Input Voltage 100~264VAC
- RoHS directive
- Built-in over current protection circuit.
- Built in PFC function
- FAN motor speed control
- 3 years warranty



**Environmental & Isolation Specifications**

Parameter	Min	Typ	Max	Unit	Notes
Operating Temperature	-20	-	60	°C	
Storage Temperature	-20	-	85	°C	
Operating Humidity (Non-condensing)	10	-	90	%	
Isolation Voltage (Input - Output, FG)	1,500	-	-	VAC	
Isolation Voltage (FG - Output)	500	-	-	VAC	
Isolation Resistance(I/P-O/P, I/P-FG, O/P-FG)	100	-	-	MΩ	at 500VDC

**Electrical Specifications**

**Input Characteristics**

Parameter	Min	Typ	Max	Unit	Notes
Operating Input Voltage Range (AC)	100	220	264	VAC	
Frequency Range	47	50/60	63	Hz	
Input Current (at 220VAC)	-	-	12	A	
Power Factor	0.9	-	0.99	A	
Inrush Current (Cold start at 220VAC)	-	-	50	A	
Leakage Current (at 220VAC)	-	-	1	mA	
Over Current Protection (Rated Pout)	110	-	150	%	hiccup

**Output General**

Parameter	Min	Typ	Max	Unit	Notes
Output Voltage Tolerance	-	-	±2	%	
Line Regulation	-	-	±0.5	%	
Load Regulation	-	-	±2	%	
Output Power	-	-	1,000	W	
Output Voltage Adjustable	-	±5	-	%	
Over Voltage Protection	-	130	-	%	shut down
Output Ripple & Noise Nominal Vin, Maximum Io, B/W 100MHz, 1uF Ceramic Cap	-	-	1% of Vout	mV	
Dynamic Load Response	-	-	5% of Vout	mV	
Turn on Time at 220VAC	-	500	-	mS	
Hold up Time at 220VAC	-	20	-	mS	

**Others**

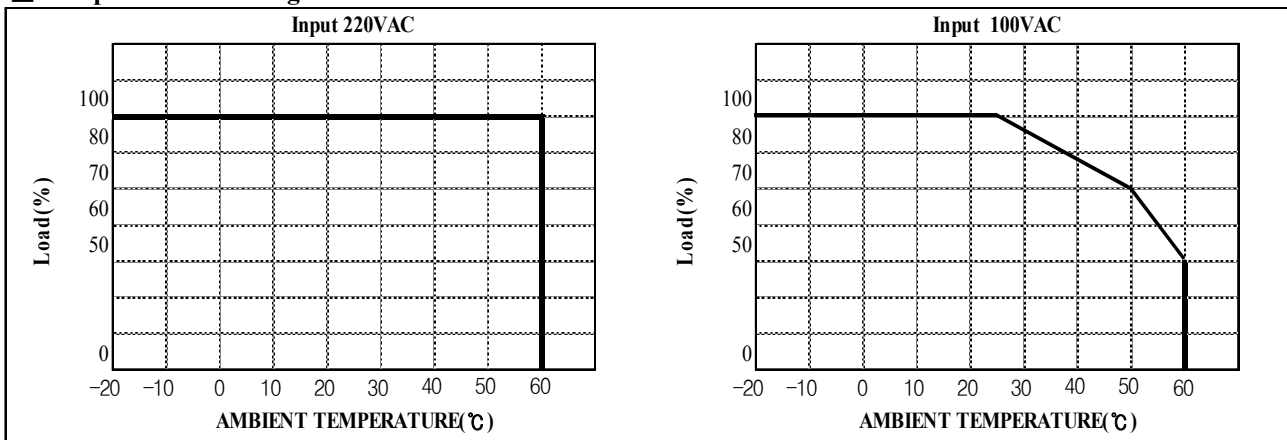
Parameter	Description	Unit	Notes
Dimension	290x164x69	mm	
Weight	4	Kg	

■ PAS1000 Series Specifications

Model Name	Input Range (V)	Output			Efficiency TYP.	Notes
		V <sub>out</sub>	I <sub>out</sub>	P <sub>out</sub>		
PAS1000-F-12	100~264VAC	12 V	83 A	996 W	84 %	
PAS1000-F-15	100~264VAC	15 V	67 A	1,005 W	84 %	
PAS1000-F-24	100~264VAC	24 V	42 A	1,008 W	88 %	
PAS1000-F-28	100~264VAC	28 V	35 A	980 W	88 %	
PAS1000-F-48	100~264VAC	48 V	21 A	1,008 W	88 %	

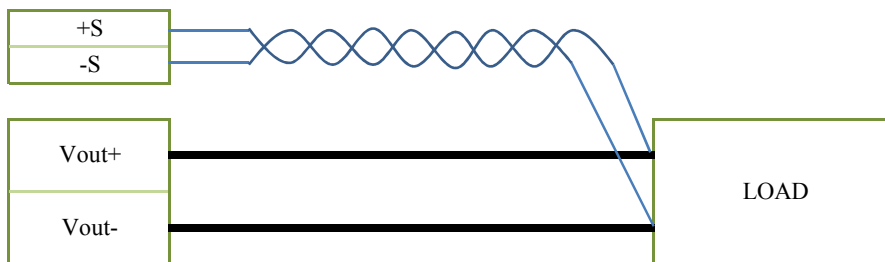
※ All of datas are tested at 25°C

■ Temperature Derating Curve



■ Remote sensing

-S	(-)Sensing	Use twisted pair wire or shielded wire and as close as possible.
+S	(+)Sensing	When not using this function, open them.



■ Remote ON/OFF control (CNT)

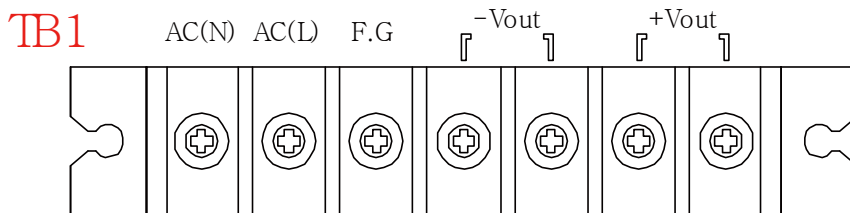
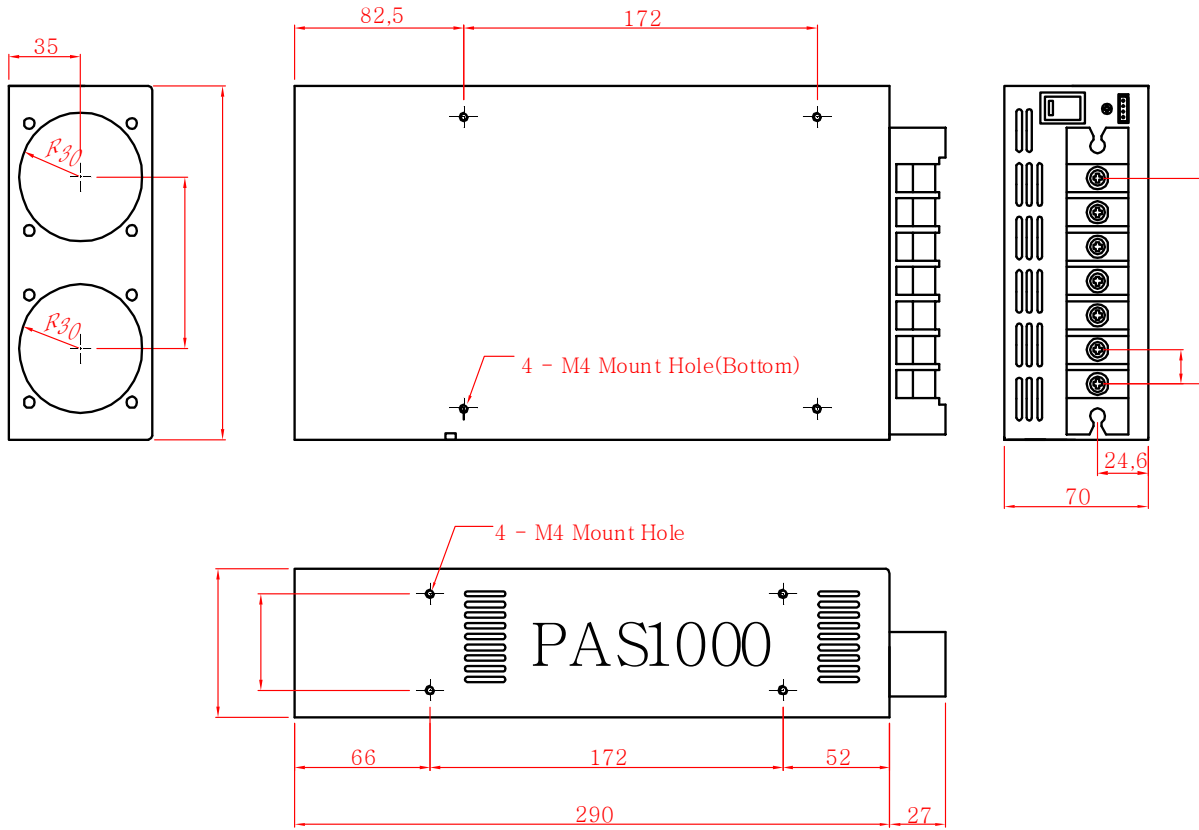
When not using this function, open them and use built-in switch.

Remote ON/OFF circuit is isolated from input and FG.

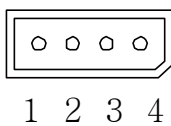
When using this function; (Built-in switch : Turn-off)

CNT+	ON → Shorted to GND pin or TTL_Low(0~0.3V) open collector OFF → Open or TTL_High open collector
CNT-	ON/OFF control GND. This pin is connected output GND

■ Dimensions (unit:mm)



**CN1**



Pin	Function
1	-Vs
2	+Vs
3	-CNT
4	+CNT