

PAE50S24-\*

SPECIFICATIONS

C245-01-01A

ITEMS	MODEL		PAE50S24-	PAE50S24-
			5	6
1	Nominal Output Voltage	V	5	6
2	Maximum Output Current	A	10	8.4
3	Maximum Output Power	W	50	50.4
4	Efficiency (Typ.) (*1)	%	91	91
5	Input Voltage Range	-	18 - 36VDC	
6	Input Current (Typ.) (*1)	A	2.29	2.31
7	Output Voltage Accuracy (*1)	%	±1	
8	Output Voltage Range (*6)	-	-20%, +10%	
9	Maximum Ripple & Noise (*6)	mV	100	
10	Maximum Line Regulation (*2)	mV	10	
11	Maximum Load Regulation (*3)	mV	10	
12	Over Current Protection (*4)	-	105% - 150%	
13	Over Voltage Protection (*5)	-	115% - 135%	
14	Remote Sensing	-	Possible	
15	Remote ON/OFF Control	-	Possible (Short : ON, Open : OFF )	
16	Parallel Operation	-	—————	
17	Series Operation	-	Possible	
18	Operating Temperature (*7)	-	Ta= -40°C - +85°C	
19	Operating Humidity	-	5 - 95%RH (No Dewdrop)	
20	Storage Temperature	-	-40°C - +100°C	
21	Storage Humidity	-	5 - 95%RH (No Dewdrop)	
22	Cooling (*7)	-	Convection Cooled / Forced air cooled	
23	Temperature Coefficient (%)	-	Less than 0.02%/°C	
24	Withstand Voltage	-	Input-Output : 1.5kVDC for 1min	
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Input-Output...500VDC	
26	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s <sup>2</sup> ) X, Y, Z 1 hour each	
27	Shock	-	196.1m/s <sup>2</sup>	
28	Weight (Typ.)	g	25	
29	Size (W×H×D)	mm	22.76x8.5x57.9	

=NOTES=

\*1. At 24VDC, maximum output current, Air Velocity = 2m/s and Ta = +25°C.

\*2. 18 - 36VDC, constant load.

\*3. No load - Full load, constant input voltage.

\*4. Inverter shutdown method with auto restart.

\*5. Inverter shutdown method, manual reset. Auto restart option available.

\*6. External components are needed for operation.

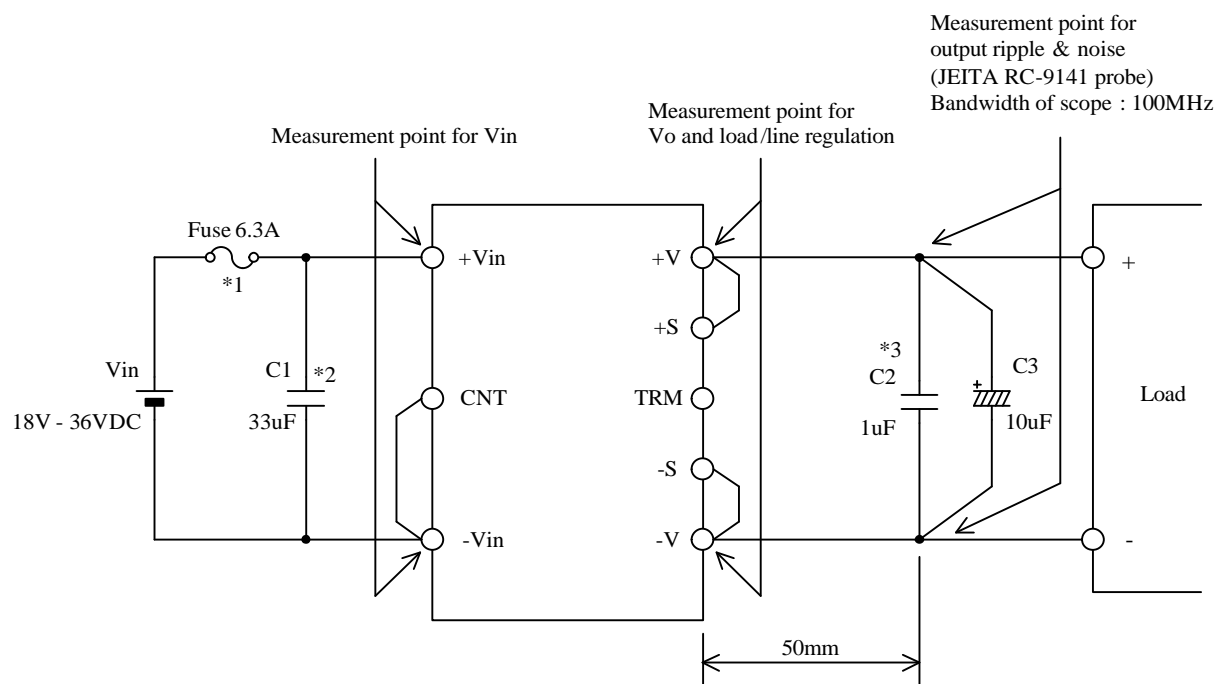
(Refer to basic connection (C245-01-02\_)).

\*7. Refer to derating curve (C245-01-03\_).

PAE50S24-\*

C245-01-02B

1. BASIC CONNECTION



\*Read instruction manual carefully, before using the power supply unit.

==NOTES==

- \*1. Use an external fuse (fast blow type) for each unit.
- \*2. Put input capacitor.  
C1: 33uF ceramic capacitor or electrolytic capacitor
- \*3. Put output capacitors.  
C2: 1uF ceramic capacitor  
C3: 10uF tantalum capacitor or electrolytic capacitor
- \*4. Refer to instruction manual for further details.

2. OPTION TABLE

Option	OVP
Standard	Shut down (ON/OFF control reset or manual reset)

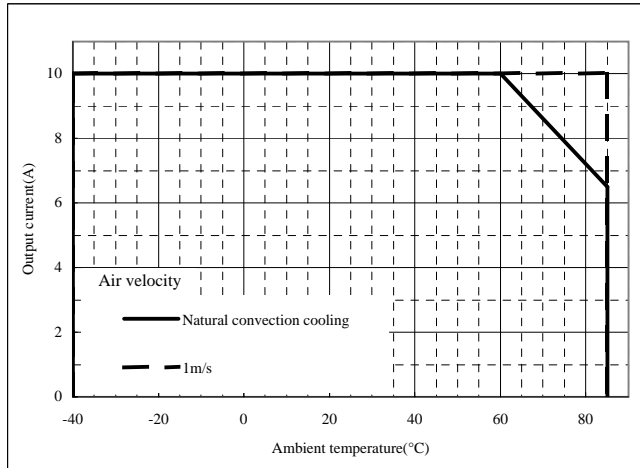
PAE50S24-\*

C245-01-03A

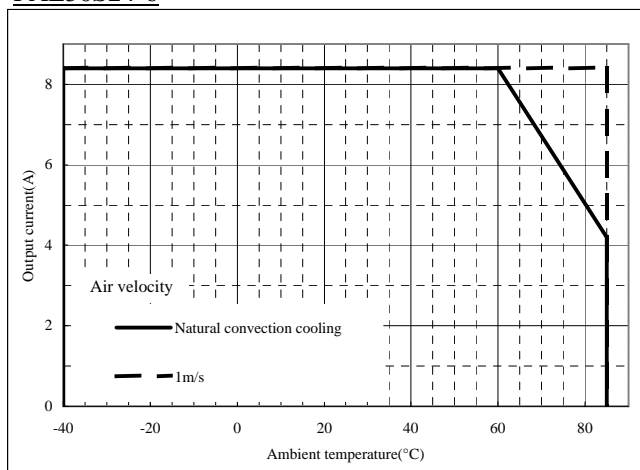
3. DERATING CURVE FOR STANDARD VERTICAL MOUNTING

Vin=24Vdc

PAE50S24-5

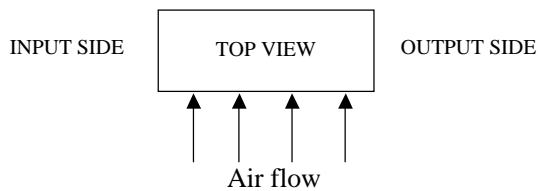


PAE50S24-6



MOUNTING AND AIR DIRECTION

AIRFLOW DIRECTION FOR STANDARD VERTICAL MOUNTING



==NOTES==

\*For other mounting methods, airflow direction and conditions, refer to Instruction manual