

Enclosed or L Bracket

PCB Mount

Non Isolated

DC-DC Selector

Nominal Input Voltage	# of Outputs	Output Power (W)							
		3	10	30	50	100	150	300	600
5V	Single	CC-E							
		iAC, iBA							
5V	Dual	CC-E							
	12V	Single	CC-E						
iA, iBC									
PXD,PXE,PF									
12V	Dual	CC-E							
		PXD,PXE,PF							
	Triple			PXF					
24V	Single	CC-E							
		PXD,PXE,PF							
		PH-F							
		PH-S							
		iQ						PAH300	
		PAF							
	Dual	CC-E							
	PXD,PXE,PF								
				PAH75D*					
Triple			PXF						
48V	Single	CC-E							
		PXD,PXE,PF							
		iSA, PAE*, iE, iP*							
		iQ, PAQ*							
		PH-F							
		PH-S							
		iH, PAH							
	PAF								
	Dual	CC-E							
		PXD,PXE,PF							
PAQ*									
PAH75D*									
Triple			PXF						
Multiple							Vega*		
82-185VDC	Single	PH-F							
		PH-S							
200-400VDC	Single	PH-F							
		PH-S							
								PAF	

* See website

PAF500F Series



24V & 48V Input Full brick DC-DC Converters

- ◆ 12V output for driving non-isolated converters
- ◆ Safety Approved
- ◆ Up to 80A output current (48V models)
- ◆ Full power at 100°C baseplate
- ◆ Opto Isolated Remote On / Off
- ◆ Wide Adjustable Output Range

RoHS

Key Market Segments & Applications

Central Office:	ATM, Sonet, DSL, ISDN, Frame relay
Broadband:	Switching Equipment, Routers
Wireless/Cellular:	Micro Cells (larger in size/10 sq. mi.) Pico Cells (smaller in size/1 to 2 sq. mi.)
Remote Electronics:	Fixed Local Loop, Fiber Optic Transmission, Microwave Transmission, Wireless Local Loop
Customer Premise:	PBX, PABX, Datacomm, Voice Systems, Video Conferencing

PAF Features and Benefits

Feature	Benefit
◆ Wide adjustment range	◆ Reduces need for custom modules
◆ Parallel Pin	◆ Modules can be connected together for higher current
◆ ASIC Design	◆ Reduced component count, increased MTBF
◆ No potting materials	◆ Lower weight

Specifications

MODEL		PAF500F48-3.3	PAF500F48-5	PAF500F24-12 PAF500F48-12	PAF500F24-28 PAF500F48-28
ITEMS					
Nominal Output Voltage	VDC	3.3	5	12	28
Output Current (Max)	A	80	80	42	18
Max Output Power	W	264	400	504	504
Efficiency (Typ)	%	78	83	89	90
Input Voltage range	VDC	36-76		19-36 or 36-76	18-36 or 36-76
Input Current (Typ) (24V/48V)	A	7.3	10.4	24 / 12.2	23.8 / 12.1
Output Voltage Accuracy	%	±1			
Output Voltage Adjustment	VDC	2 - 4	3 - 6	7.2 - 13.2	16.8 - 30.8
Max Ripple & Noise	mV	100	100	200	280
Max Line Regulation	mV	10	10	24	56
Max Load Regulation	mV	10	10	24	56
Overcurrent Protection	%	105 - 140%			
Overvoltage Protection	%	130-160	125-145	115-135	115-135
Signals & Control	-	Remote sense, remote On/Off, Parallel Pin, DC Good (12, 28V models), Adjustable OVP (3.3, 5V models), 7-10V Auxiliary voltage			
Operating Temperature	-	-40°C to +100°C baseplate			
Cooling	-	Conduction (See Installation Manual for heatsink selection)			
Isolation Voltage	VDC	Input - Baseplate 1500V, Input - Output 1500V, Output-Baseplate 500V			
Shock	-	196.1m/s ²			
Vibration	-	Non Operating, 10-55Hz (sweep for 1 min.)			
Amplitude	-	0.825mm constant (Max 49m/s ²) X, Y, Z 1 hour each			
Safety Agency Approvals	-	UL60950-1, CSA60950-1, EN60950-1, CE LVD			
Weight (Typ)	g	250			
Size (WxHxD)	in(mm)	2.4x0.5x4.6 (61x12.7x116.8) See outline drawing			
Warranty	-	2 years			

Note: See Installation Manual for full details, test methods of parameters and application notes.

