



- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.94
- Protections: Short circuit / Overload / Over voltage /
 Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty

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Specifications

Model			APWD-MFSD-A48	848-00 (SDR-480-48)
Output	DC voltage		48v	
	Rated current		10a	
	Current range		0 ~ 10a	
	Rated power		480w	
	Peak current		15a	
	Peak power	Note.6	720w (3sec.)	
	Ripple & noise (max.)	Note.2	120mvp-p	
	Voltage adj. Range		48 ~ 55v	
	Voltage tolerance	Note.3	±1.0%	
	Line regulation		±0.5%	
	Load regulation		±1.0%	
	Setup, rise time		1500ms, 150ms/230vac 3000ms, 150ms/115vac at full load	
	Hold up time (typ.)		14ms/230vac at full load	
Input	Voltage range	Note.7	90 ~ 264vac	127 ~ 370vdc
	Frequency range		47 ~ 63hz	
	Power factor (typ.)		0.94/230vac	0.99/115vac at full load
	Efficiency (typ.)		94%	
	Ac current (typ.)		5a/115vac	2.5a/230vac
	Inrush current (typ.)		40a/115vac	80a/230vac
	Leakage current		< 0.8ma/240vac	



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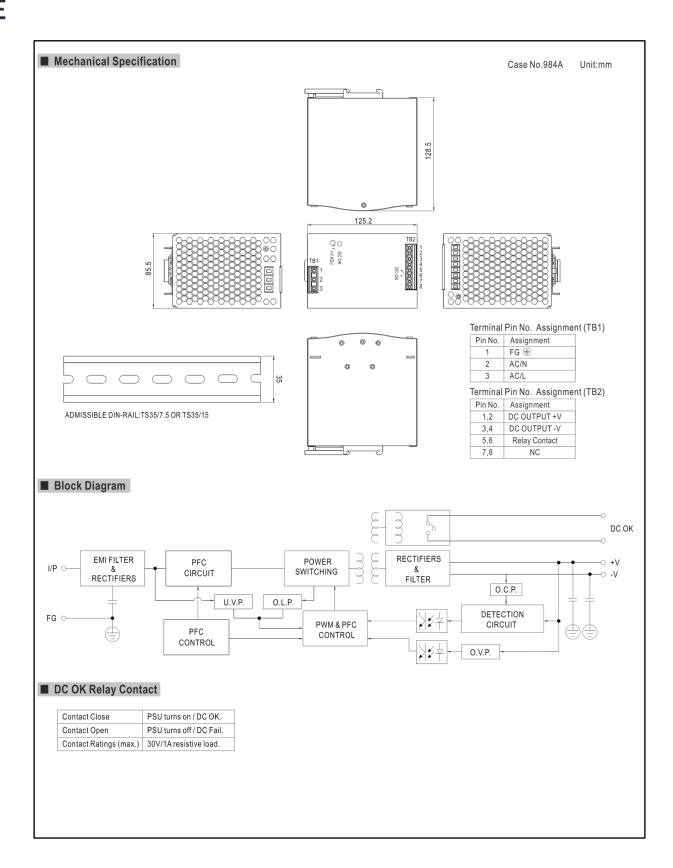
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Model		APWD-MFSD-A4848-00 (SDR-480-48)		
		Normally works within 110 ~ 150% rated output power for more		
Protection		than 3 seconds and then shut down o/p voltage with auto-		
		recovery		
	Overload	>150% rated power, constant current limiting with auto-		
		recovery within 2 seconds and may cause to shut down if over		
		2 seconds		
	Over voltage	56 ~65v		
		Protection type: shut down o/p voltage with auto-recovery		
		or re-power on to recovery		
	Over temperature	Shut down o/p voltage, recovers automatically after		
		temperature goes down		
Function	Dc ok realy contact ratings (max.)	60vdc/0.3a, 30vdc/1a, 30vac/0.5a resistive load		
	Working temp. Note.5	-25 ~ +70°c (refer to "derating curve")		
Environment	Working humidity	20 ~ 95% rh non-condensing		
	Storage temp., humidity	-40 ~ +85°c, 10 ~ 95% rh		
	Temp. Coefficient	±0.03%/°c (0 ~ 50°c)		
		Component: 10 ~ 500hz, 2g 10min./1cycle, 60min. Each along		
	Vibration	x, y, z axes; mounting: compliance to iec60068-2-6		
	Safety standards	UL508, TUV EN60950-1, EAC TP TC 004, BSMI CNS14336-1		
		approved; (meet EN60204-1)		
	Withstand voltage	I/P-O/P:3KVAC		
Safety & EMC		OK:0.5KVAC		
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC/25°C/70% RH		
(note 4)	EMC emission	Compliance to EN55011, EN55032 (CISPR32), EN61204-3 Class		
(1.000 1)		B, EN61000-3-2-3, EAC TP TC 020, CNS13438		
		Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-		
	EMC immunity	2 (EN50082-2), EN61204-3, heavy industry level, criteria A, EAC		
		TP TC 020, SEMI F47, GL approved		
	MTBF	112.9K hrs min. MIL-HDBK-217F (25°C)		
Others	Dimension	85.5*125.2*128.5mm (W*H*D)		
	Packing	· · · · · ·		
	_	1.6Kg; 8pcs/13.8Kg/0.9CUFT		
Note	 All parameters not specially mentioned are measured at 230vac input, rated load and 25°c of ambient temperature. 			
	2. Ripple & noise are measured at 20mhz of bandwidth by using a 12" twisted pair-wire			
	terminated with a 0.1uf & 47uf parallel capacitor.			
	3. Tolerance: includes set up tolerance, line regulation and load regulation.			
	4. The power supply is considered a component which will be installed into a final			
	equipment. The final equipment must be re-confirmed that it still meets EMC directives.			
	5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent			
	device is a heat source, 15mm clearance is recommended.			
	6. 3 seconds peak power max. And the average output power should not exceed the rate			
	power.			
	7. Derating may be needed under low input voltage. Please check the derating curve for			
	more details.			
	8. The ambient temperature derating of 3.5°c/1000m with fanless models and of 5°c/1000m with fan models for operating altitude higher than 2000m(6500ft).			
	with ian models for operati	ng alutude nigher than 2000m(6500H).		



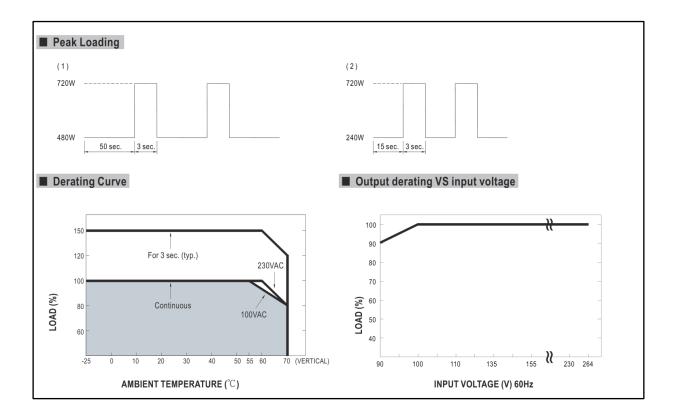
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Ordering Information

Part Number	Description			
APWD-MFSD-A4848-00	DIN Rail Power Supply, 480W/DC48V, Metal Housing, -25 to +70°C			
AP VV D-IVIF3D-A4040-00	(SDR-480-48)			

