

■ Features:

- ✓ Universal AC input/ Full range
- ✓ High Efficiency, and High reliability
- ✓ Output protections: OLP/OTP/OVP/SCP
- ✓ Wide operating ambient temperature (-20°C~65°C)
- ✓ All using 105°C long life electrolytic capacitors.
- ✓ 100% full load burn-in test



■ SPECIFICATIONN

MODEL			PDF-320-5	PDF-320-7.5	PDF-320-12	PDF-320-24	PDF-320-32	PDF-320-36	PDF-320-48
OUTPUT	DC Output		5.0V	7.5V	12V	24V	32V	36V	48V
	Rated Current		60A	40A	25A	13A	10A	8.8A	6.7A
	Current Range	Note 1	0~60A	0~40A	0~25A	0~13A	0~10A	0~8.8A	0~6.7A
	Ripple and Noise	0-65℃	150mV	150mV	150mV	150mV	200mV	200mV	240mV
		-20℃	180mV	150mV	150mV	150mV	200mV	200mV	240mV
	Note 2								
	Voltage ADJ. Range		±10% of rated output voltage						
	Voltage Accuracy		±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation		±0.5%	±0.5%	±0.3%	±0.5%	±0.2%	±0.2%	±0.2%
	Load Regulation		±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Set-up Time		< 1.2S (230Vac input, Full load), <2.5S (115Vac input, Full load)						
	Hold up Time		5V> 14mS 7.5V/15V/24V/32V/36V/48V> 16mS/ (230Vac input, Full load)						
	Temperature Coefficient		±0.05%/℃						
	Overshoot and Undershoot		<5.0%						
INPUT	Voltage Range		88Vac~264Vac						
	Frequency Range		47Hz~63Hz						
	Power Factor(Typical)		PF>0.98/115VAC PF>0.93/230VAC						
	Efficiency (Typical)		79%	83%	86%	87%	87%	87%	88%
	AC Current (max.)		4.0A						
	Inrush Current (Typical)		<45A@230Vac <23A@115Vac Cold start						
	Leakage Current		Input—output: ≤0.1mA Input—PG: ≤0.75mA						
PROTECTION	Over Load		05%~135% of rated output current, hiccup mode,auto recovery						
	Over Temperture		85℃+5(detect on heats℃ink of power transistor);shut down,auto recovery after the temperature goes down						
	Over Voltage		110%~150% of rated voltage; Shut down						
	Short Circuit		Long-term mode, auto recovery						
ENVIRONMENT	Operating amb. Temp. & Hum.		-20℃~65℃; 20%~90%RH No condensing						
	Storage Temp. & Hum.		-40℃~85℃; 10%~95%RH No condensing						
SAFETY & EMC (Note 3)	Safety Standards		GB4943-2001; EN60950-1: 2006						
	Withstand Voltage		Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVac;≤10mA.						
	Isolation Resistance		≥100M ohms						
	EMI Conduction&Radiation		Compliance to EN55022(CISPR22)ClassB						
	Harmonic Current		Compliance to EN61000-3-2,17625.1-2003						
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA						
OTHERS	MTBF (MIL-HDBK-217F)		More than 100,000Hrs (25℃, Full load)						
	Dimension (L*W*H)		226.5×115×50mm						
	Packing		10PCS/CTN, 11.6KGS, 0.04CBM						
	Cooling method		Fored air cooling(Built-in fan)						
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25 of ambie℃ nt temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.								

Unit:mm



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