

## DPF-320 / DPF-450 SERIES:



### 320 / 450 Watt / Single Output

8.27 x 4.53 x 1.97" Enclosed with Fan Package

#### Features:

- ITE Safety Approvals
- Universal AC Input Range (90-264 VAC)
- High Reliability 105C Rated Capacitors
- Short / Overload / Overvoltage / OverTemp Protection
- Built-In Ball Bearing Fan
- Power-On LED Indicator
- $\pm 10\%$  Adjustment range
- High Efficiency up to 89%
- With P.F.C. Function  $>0.94$
- 3-Year Product Warranty

#### INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	80A @ 230 VAC Cold Start (max)
Input Current	6A maximum at 115VAC
Input Protection	Single Fuse
Hold-Up Time	8ms Minimum
Leakage Current	$<750\mu\text{A}$ (Class I) / $250\mu\text{A}$ (Class II)
Harmonics	EN61000-3-2 Class A Compliant

#### GENERAL:

Efficiency	81-89%
Operating Temperature	-30 to +70°C, derate 2.5% / °C above 50°C
Storage Temperature	-35°C to +85°C
Cooling	Internal Ball Bearing Fan
Operating Humidity	5-95% RH, Non-Condensing
Vibration	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes.
MTBF	$>100\text{k}$ Hrs (according to MIL-HBK-217F) at 25°C

#### OUTPUT:

Minimum Load	n/a
Output Adjustment	$\pm 10\%$ (minimum)
Line Regulation	$\pm 1\%$ max
Load Regulation	$\pm 1\%$ typ.
Ripple & Noise	120-200mV typ. pk-pk @ 20MHz
Overload Protection	Auto-Recovery
Over Voltage	Auto-Recovery
Short Circuit Protection	Auto-Recovery

#### APPROVALS:

Emissions	EN55022 "B", FCC Part 15 Subject J Class B
Safety Approvals	UL/cUL 60950-1, TUV EN60950-1 CB Report (IEC 60950-1  CE Mark (LVD)



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**Output Specifications:**

Model:	V1	OUTPUT CURRENT	EFFICIENCY
DPF-320-5	5 VDC	60 A	81%
DPF-320-12	12 VDC	26.7 A	89%
DPF320-24	24 VDC	13.4 A	89%
DPF-320-48	48 VDC	6.7 A	87%
DPF-450-5	5 VDC	80 A	81%
DPF-450-12	12 VDC	37.50 A	89%
DPF-450-24	24 VDC	18.8 A	89%
DPF-450-48	48 VDC	9.38 A	87%

**MECHANICAL DRAWING:**

