

DPE-100 SERIES:



100 Watt / Single Output

5.07 x 3.82 x 1.50" Enclosed Package

Features:

- ITE Safety Approvals
- Universal AC Input Range (90-264 VAC) with PFC
- Short / Overload / Overvoltage / OverTemp Protection
- High Rel 105C Capacitors
- Led Power-On Indicator
- High Efficiency up to 91%
- 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	1.5A maximum at 115VAC
Input Protection	Single Fuse
Hold-Up Time	8ms Minimum
Leakage Current	<3500µA (Class I) / 250µA (Class II)
Harmonics	EN61000-3-2 Class A Compliant

GENERAL:

Efficiency	81 - 91% depending on model
Operating Temperature	-30 to +70°C, derate 2.5% / °C above 50°C
Storage Temperature	-30°C to +85°C
Cooling	Convection Cooled
Operating Humidity	5-95% RH, Non-Condensing
Vibration	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes.
MTBF	>100k Hrs (according to MIL-HBK-217F) at 25°C

OUTPUT:

Minimum Load	n/a
Output Adjustment	±10% (minimum)
Line Regulation	±1% max
Load Regulation	±1% typ.
Ripple & Noise	1% 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 CB Report IEC 60950-1 CE Mark (LVD)



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Output Specifications:

Model:	V1	OUTPUT CURRENT	EFFICIENCY
DPE-100-5	5V	16A	81%
DPE-100-12	12V	8.5A	90%
DPE-100-24	24V	4.5A	90%
DPE-100-48	48V	2.2A	90%

MECHANICAL DRAWING:

