



DPP480 Series

480W Single Output DIN Rail Mount Power Supplies



- ◆ Low Cost
- ◆ 24V or 48V Outputs
- ◆ Wide Range AC Input
- ◆ Active PFC
- ◆ Parallel Function Switch
- ◆ -25 to +71°C Operation
- ◆ Convection Cooled

Specifications

MODELS		DPP480-24-1	DPP480-48-1
ITEMS			
AC Input Voltage range	VAC	90 - 264VAC	
Input Frequency	Hz	47 - 63Hz	
DC Input Voltage range	VDC	120 - 370VDC	
Inrush Current (115 / 230VAC)	A	25 / 50A	
Power Factor	-	Meets EN61000-3-2 Class A, typ 0.99 at 230VAC input	
Input Current (115/230VAC)	A	7 / 3.5A	
Output Voltage	V	24V	48V
Output Current	A	20A	10A
Output Voltage Adjustment Range	-	22.5 - 28.5V	47 - 56V
Output Voltage Accuracy	%	-0, +1% of Nominal	
Line Regulation	%	±0.5%	
Load Regulation	%	±0.5% (±5% when set in parallel mode)	
Ripple and Noise (20MHz BW)	mV	100mV	
Overcurrent Protection (Typ)	-	120 - 140%	
Overvoltage Protection	V	30 - 33V	57 - 63V
Hold Up Time (115VAC input)	ms	> 30ms	
Efficiency (typ)	%	89%	90%
Parallel operation	-	Set in single or parallel (droop) mode - maximum of 3 units	
LED Indicators	-	Green LED = On, Red LED = DC Output Low	
DC Good Relay (24V model only)	-	0.3A rated normally open relay contacts, closes when output is above 17.6 - 19.4V	
Operating Temperature	-	-25 to +71°C (Derate linearly 4%/°C from 61 to 71°C)	
Storage Temperature	-	-25 to +85°C	
Operating Humidity	-	20 - 95% RH (non condensing)	
Cooling (1)	-	Convection	
Withstand Voltage	-	Input to Output 3kVAC for 1 min.	
Isolation Resistance	-	> 100M at 25C & 70%RH, Output to Ground 500VDC	
Safety Agency Approvals	-	UL508 Listed, UL60950-1, EN60950-1, CE	
Conducted & Radiated EMI	-	EN55022 class B	
Weight (Typ)	g	1920g	
Size (WxHxD)	in	6.89 x 4.92 x 4.57"	
Case material	-	Metal	
Warranty	yrs	Two years	

(1) Recommend 1" clearance on all sides

PIN Assignments

PIN	Function
1	DC Good Relay
2	DC Good Relay
3	V+
4	V+
5	V-
6	V-
7	Chassis
8	N
9	L

Other Lambda DIN Rail Products

DPP	15W to 100W, 5V to 48V power supplies
DLP	75W to 240W power supplies
DLP-PU	Redundancy Module (20A)
MC/MZ	6A to 30A single & three phase EMI Filters

For Additional Information, please visit
www.lambdapower.com/products/dpp-series.htm

Outline Drawing

