TYPE:	PROJECT:	QTY:

TDS288-24

5 in 1 output with 0-10v compatibility, with multiple 96w outlets, smart triac dimming 24v, 288w total capacity LED driver with built in junction box



Features

- **Electrical Connection:** The power supply comes with wires for direct connection to the high-voltage power source. A standard plug can be added upon request.
  - Flicker free PWM output, constant voltage
  - Class 2: 3 x independent 96-watt outputs[1]
  - 5-way input: DC 0-10v, triac forward or reverse phase, resistor or PWM signal dimmers
  - Input voltage range 100-277vac
  - Integrated isolated HV and LV junction boxes with multiple knock-outs
  - Protection against short circuit, overloading, and over temperature
  - Suitable for dry, damp, and wet location
  - Built-in PFC function, PF>0.98
  - Efficiency>87% / load: 0~100%
  - 7-year warranty
  - Class 2

[1] Do not exceed 96 watts on any individual output. Wiring runs must be considered when prewiring.

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Specifications

Output	DC Voltage	24V
	Voltage Tolerance	±0.5V
	Voltage Regulation	±0.5%
	Voltage Tolerance	±0.5V
	Load Regulation	±1%
	Rated current	12A (multi current 3*4A)
	Rated power	288W (3*96W)
Input	Voltage Range	100-277VAC
	Frequency Range	47~63HZ
	Power Factor (Typ.) @full load	0.99@120VAC | 0.96@277VAC
	THD (Typ.) @full load	<20%
	Inrush Current (Typ.)	35A (twidth=960us) @120VAC; 43A (twidth=1ms) @277VAC
	Efficiency (Typ.) @Full Load	87%@120VAC 89%@277VAC
	AC Current (Typ.)	3.4A@100VAC
	Leakage current	<0.50mA
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition is removed
	Overload	≤120% constant current limiting, auto-recovery
	Over temperature	100℃±10℃ shut down o/p voltage, automatically recover after cooling.
	Over Current	≤1.4*I out
Environment	Working TEMP.	-40~+60℃
	Working Humidity	20~90%RH, non-condensing
	Storage TEM. Humidity	-40~+80℃,10~95%RH
	TEMP. coefficient	±0.03%/℃ (0~50℃)
	Vibration	10~500Hz 2G 10min./1 cycle, period for 60min.each along X, Y, Z axes
Safety & EMC	Safety standards	UL8750+UL1310
	Withstand voltage	I/P-O/P:1.88KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH
	EMC EMISSION	FCC Part 15 B
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11(Surge 4KV)
Others	Weight	2.4Kg
	Size	305*137*45mm
Notes	1. All parameters NOT specially mentioned are measured at 110V & 277VAC input, rated load and 25℃of ambient temperature. 2.Tolerance: includes set us tolerance, line regulation and load regulation.	

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