

185W Multiple Channel Output Switching Power Supply LDV-185 series



Features :

- 180~305VAC input range
- Multiple channel with constant current output
- Meet 4KV surge immunity level(EN61000-4-5)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in active PFC function
- Cooling by free air convection
- IP67 design for indoor or outdoor installations
- Optional timer dimming function
- High efficiency up to 88.5%
- -40°C can power on
- Suitable for LED lighting and moving sign applications
- 3 years warranty



LDV-185-350A

Blank : IP67 rated. No timer dimming function.

D: IP67 rated. Built in timer dimming function, contact MEAN WELL for details.

SPECIFICATION

MODEL		LDV-185-350A	LDV-185-350B	LDV-185-350C	LDV-185-700A	LDV-185-700B	LDV-185-700C
ουτρυτ	SINGELE CHANNEL RATED CURRENT	350mA	350mA	350mA	700mA	700mA	700mA
	DC VOLTAGE RANGE	32 ~ 38V	37~43V	42 ~ 51V	32~38V	37~43V	42~51V
	RATED POWER(max.) Note 3.	159.6W	180.6W	182W	159.6W	180.6W	182W
	MAX CHANNEL Note 3.	12CH	12CH	12CH	6CH	6CH	6CH
	SETUP, RISE TIME Note 2.	2500ms, 50ms					
	HOLD UP TIME	10ms / 230VAC					
	CONSTANT CURRENT ACCURACY	/ ±5%					
INPUT	VOLTAGE RANGE	180~ 305VAC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	PF>0.95/230VAC PF≧0.9 at 75 ~ 100% load					
	EFFICIENCY (Typ.) Note 4.	≧88.5%					
	AC CURRENT	1.5A/230VAC					
	INRUSH CURRENT(max.)	COLD START 60A/230VAC					
	LEAKAGE CURRENT	<0.75mA / 240VAC					
PROTECTION	SHORT CIRCUIT	Channel shut down when each channel fault, re-power on to recovery					
	OVER VOLTAGE	41 ~ 50V	47 ~ 50V	54 ~ 63V	41~50V	47~50V	54~63V
	OVERVOLINOL	Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery					
	OVER TEMPERATURE	100°C±10°C(RTH2)					
		Protection type : Shut down o/p voltage, recovers automatically after temperature goes down					
	OTP DIMMING	When the NTC (RTH3) temperature is higher than 95°C, PSU will enter dimming mode with decreasing output lo					
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve),-40°C can power on					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes					
	SAFETY STANDARDS	IP67 approved; Design refer to EN61347-1,EN61347-2-13,UL8750					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC 1minute					
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH					
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55015 Class B					
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C (≧75% load) ; EN61000-3-3					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61547, EN55024, light industry level (surge 4KV), criteria A					
OTHERS	MTBF	Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	222.2*90*38.8mm (L*W*H)					
	PACKING	1.27 Kg; 12pcs/16.2k	(g/1.02CUFT				
NOTE	 Length of set up time is measu Please do not beyond rated po Efficiency is measured under 2 The power supply is considered 	y mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. sured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. power when choosing channel quantity. 230VAC input with Pout>120W and each output channel connecting with the same quantity of LEDs(similar Vf sum). red as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the ial equipment manufacturers must re-qualify EMC Directive on the complete installation again.					



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