



## Features:

- 180~295VAC input range
- Multiple channel with constant current output
- Meet 4KV surge immunity level(EN61000-4-5)
- Protections: Short circuit / 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%
- -40°C can power on
- Suitable for LED lighting and moving sign applications
- 3 years warranty

IP67 (₽) **(** €

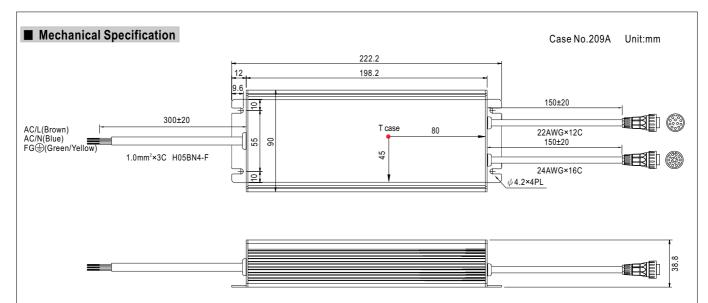
LDV-185-350A(Standard): IP67 rated. No timer dimming function.

LDV-185-350AD(Option): IP67 rated. Built-in timer dimming function, contact MEAN WELL for details.

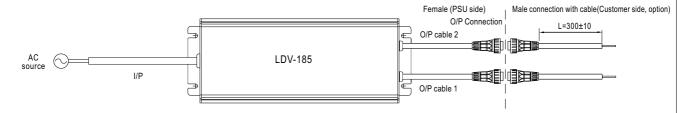
LDV-185-350A-CA(Option): Including PSU mating accessory (male waterproof connector with cable), contact MEAN WELL for details.

## **SPECIFICATION**

MODEL			LDV-185-350A	LDV-185-350B	LDV-185-350C	LDV-185-700A	LDV-185-700B	LDV-185-700C	
ОИТРИТ	SINGELE CHANNEL RATED CURRENT		350mA	350mA	350mA	700mA	700mA	700mA	
	DC VOLTAGE RANGE	Note 5.	30 ~ 35V	35 ~ 40V	40 ~ 48V	30~35V	35~40V	40~48V	
	RATED POWER(max.)	Note 3.	147W	168W	185W	147W	168W	185W	
	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%						
	VOLTAGE RANGE		180~ 295VAC						
INPUT	FREQUENCY RANGE		47 ~ 63Hz						
	POWER FACTOR		PF>0.95/230VAC PF>0.92/277VAC at full load(please refer to "Power Factor Characteristic" Curve)						
	EFFICIENCY (Typ.)	Note 4.	≧88%						
	AC CURRENT		1.5A/230VAC 1.0A/277VAC						
	INRUSH CURRENT(max	x.)	COLD START 60A/2	COLD START 60A/230VAC					
	LEAKAGE CURRENT		<0.75mA/240VAC						
	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	
DDOTECTION			Protection type: Shut down o/p voltage with auto-recovery or re-power on to recovery						
PROTECTION	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 90°C±10°C, PSU will enter dimming mode with decreasing output current						
	WORKING TEMP.		-30 ~ +70°C (Refer to "Derating curve"),-40°C can power on						
	WORKING HUMIDITY		20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUM	IDITY	-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	E	I/P-O/P:100M Ohms	/ 500VDC / 25°C/ 70%	RH				
EMC	EMC EMISSION		Compliance to EN55015,EN61000-3-2 Class C (≥75% load) ; EN61000-3-3						
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024, light industry level (surge 4KV), criteria A						
	MTBF		198.2Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION		222.2*90*38.8mm (L*W*H)						
	PACKING		1.27 Kg; 12pcs/16.2Kg/1.02CUFT						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>Please do not exceed the rated power when choosing channel quantity and voltage range(350C/700C model).</li> <li>Efficiency is measured under 230VAC input with Pout&gt;120W and each output channel connecting with the same quantity of LEDs(similar Vf sum).</li> <li>DC output voltage is measured between LEDB</li> </ol>								



# **■** WATERPROOF CONNECTION



NOTE: 1.Cable 1 and 2 for 350mA models, Cable 1 for 700mA models

2.Each channel of LED- must be isolated

 $3.Pin1\sim4(LED\ Y)\ \&\ pin7\sim10(LED\ t)\ of\ cable\ 1\ must\ be\ used\ when\ connected\ to\ LED\ loads\ ,\ do\ not\ floating,\ or\ the\ PSU\ can't\ start\ up\ be\ subsetting$ 

## O/P Connection(Female)

Cable	Pin Configuration(female)	Pin	Pin definition	
	100102		1~6	LEDY
Cable 1	90 11 0 3	15Pin	7~12	LEDቲ for each channel
	7 06 05		13~14	NC
			15	V
Cable 2	10 90 20 100 80	12Pin	1~6	LEDY
	13 O O O O O O O O O O O O O O O O O O O		7~12	LEDさ for each channel

## Male Waterproof Output Connector With Cable(Customer side, optional)

Pin Configuration(male)	Pin [	Definition	Wire Color	Wire Stock
	2		BLUE PURPLE	
	3	LEDY	ORANGE YELLOW	24AWG*16C
10100 9	5		RED	
/20 11 0	6		WHITE	
	7		WHITE/RED	
13 014 07//	8	LEDt	BROWN	
4 05 06	9		WHITE/ORANGE GRAY	
	10		CLEAR LUCITE/BLUE	
	12		CLEAR LUCITE/PURPLE	
	13	NC	OLLAN LOGITLA GIVE LL	
	15	V	WHITE/YELLOW	
	1	LEDY	GRAY	
	2 3 4 5		BLUE	
90 10			YELLOW/GREEN ORANGE	
/80 100 20\\			YELLOW	
	6		PURPLE	22AWG*12C
(\\O\) 11 12 3\(O\)/	7	LEDさ	CLEAR LUCITE	22AWG 12C
605040	8		WHITE/BLACK	
	9		BLACK	
	10		GREEN RED	
	12		WHITE	
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\*MEAN WELL offers male waterproof connectors with cable length of 300mm as our standard mating accessories, This mating accessory needs to be orderder together with LDV-185, please consult MEAN WELL for details.



