

■ FEATURES

- 1.180-264VAC input
- 2.Built in active PFC function
- 3.Cooling by free air convection
- 4.Built-in 2 in 1 dimming function(1-10VDC signal)
- 5.5 years warranty

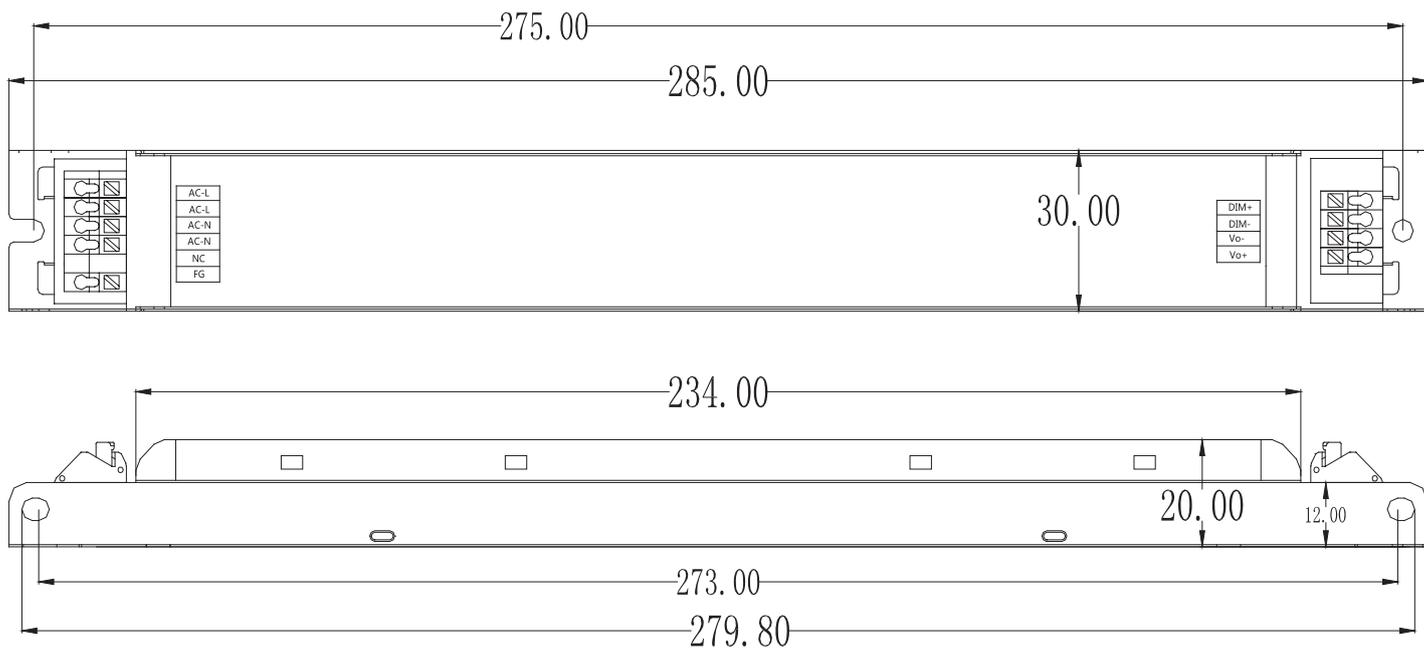


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■ ELECTRICAL SPECIFICATION

MODEL	050-1300AM		
OUTPUT	DC CURRENT	1.3A	
	CONSTANT CURRENT RANGE	27-42V	
	RATED POWER	50W Max	
	RIPPLE & NOISE	200mV	
	CURRENT ADJ. RANGE (optional)	0.6-1.3A	
	CONSTANT CURRENT ACCURACY	±5%	
	LINE REGULATION	±5%	
	LOAD REGULATION	±5%	
	HOLD UP TIME	N/A	
	DIMMING FUNCTION (optional)	1-10VDC signal	
INPUT	RATED VOLTAGE	200-240VAC	
	INPUT VOLTAGE RANGE	180-264VAC	
	FREQUENCY RANGE	47-63Hz	
	POWER FACTOR	PF >0.95@230VAC at full load	
	TOTAL HARMONIC DISTORTION	THD <15%@230VAC at full load	
	EFFICIENCY(230VAC TPY.)	89%	
	INPUT CURRENT	<0.3A max. @230Vac	
	INRUSH CURRENT	Cold start <30A at 240Vac	
	LEAKAGE CURRENT	< 0.7mA/200-240Vac	
	TURN ON DELAY	< 0.5S/200-240Vac	
	STANDBY POWER	< 0.5W/200-240Vac	
PROTECTION	SHOTr CIRCUIT	Hiccup,recovers automatically after fult condition is removed	
	OVER VOLTAGE	50V	
	OVER TEMPERATURE	Hiccup mode, recovers automatically after fault condition is removed	
ENVIRONMENT	OPERATION TEMPERATURE	-20---50℃	
	OPERATION HUMIDITY	10---90% RH non-condensing	
	STORAGE TEMPERATURE/HUMIDITY	-30---80℃,5---95% RH	
	IP CLASS	N/A	
	VIBRATION	10--500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes	
	Tc	Tc=85℃(Ta=50℃)	
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;	
SAFETY	SAFETY STANDARDS	EN61347-1/2-13	
	CERTIFICATE	Conform to CE TUV	
	WITHSTAND VOLTAGE	I/P-O/P:3750V;I/P-FG:1.5KV;O/P-FG:0.5KV	
	ISOLATION RESISTANCE	I/P-O/P:100MΩ/500Vdc/25℃/70% RH	
PACKAGE	DIMENSION	L285*W30*H20mm	
	WIGHT	0.22kg	
	PACKING	36PCS/CTN	
	Environmental protection	RoHS	
	INPUT CONNECTION	6PIN DA250 ORANGE	
	OUTPUT&DIMMING CONNECTION	4PIN DA250 GRAY	
NOTE	<p>1.All parameter are measured at 230VAC input, rated load and 25℃ ambient temperature.</p> <p>2.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment manufactures must re-quality EMC directive on the complete installation again.</p> <p>3.Ripple & Noise are measured at 20MHz of bandwith by using a 12" twised pair-wire terminated with a 0.1uF & 47uF paralled capacitor.</p>		

MECHANICAL SPECIFICATION



Unit:mm

LABEL

INPUT		Constant Current LED Driver								OUTPUT			
AC-L		•tc tc:85°C								DIM+			
AC-L		Input Voltage	Input Current	PF	Pn	ta(°C)	Output Voltage	Uout(max)	Output Current	Pout(max)	DIM-		
AC-N		200-240VAC	0.3A	0.95	50/60Hz	-20~50	27-42VDC	50VDC	700mA	29.4W	Vo-		
AC-N	wire prep. 0.75-1.5 mm ²											Vo+	
NC	8-2mm												
FG													


SELV


RoHS


CE


F


TUV

MADE IN CHINA

■ Dimming function

■ 1~10VDC signal dimming

1-10VDC dimming function for output current adjustment (Typical)

Dimming value	0-1V	1V	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of rated current	0%	10%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%-105%	±5%

■ Multi machine parallel synchronous dimming

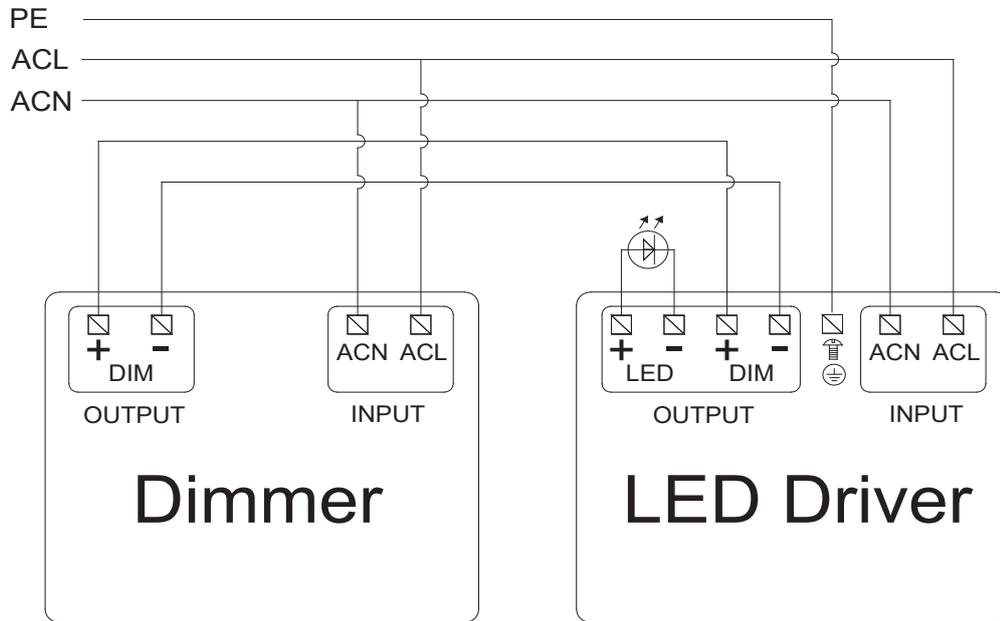
10 drivers(max.) synchronization.

Maximum cable length between each units : 20 meters.

※ Please DO NOT connect "DIM-"to"Vo-" or "DIM+"to"Vo+".

• Wiring diagram

■ Single machine dimming



■ Multi machine parallel synchronous dimming

