

80W Triac Dimmable Driver - PWM Output Version

Features

- Output constant voltage
- Universal AC input:180-240VA
- High efficiency :up to 87%
- Protections:short circuit/over loading/over current
- Full protection aluminum housing
- Easy installation
- Cooling by free air convection
- Work with leading edge TRIAC dimmers
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting

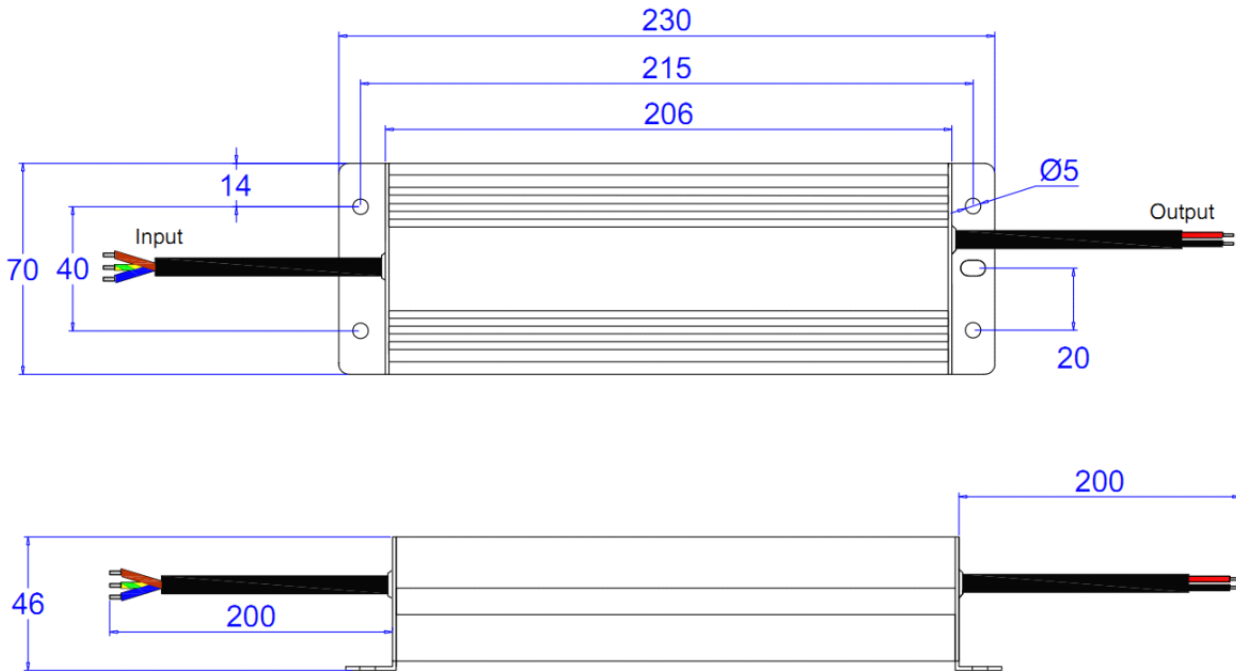
Specification

CE   IP66 SELV

Model		SC-80-12	SC-80-24
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated current	6.67A	3.33A
	Rated power	80W	
Input	Voltage Range	180～240V AC	
	Frequency Range	47～63HZ	
	Power Factor (Typ.)	PF≧0.65/220V	
	Full Load Efficiency (Typ.)	83%	85%
	AC Current (Typ.)	0.67A	0.66A
	Leakage current	< 0.70mA/220VAC	
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.	
	Over load	≤120%	
	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	EN61347-1 EN61347-2-13	
	Withstand voltage	I/P-O/P:3.75KVAC	
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH	
	EMC EMISSION	Compliance to EN55015,EN61000-3-2 (≧ 50%load)	
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11 (Surge 4KV)	
Others	Weight	1.2Kg	
	Size	230*70*46mm (L*W*H)	
	packing	329*279*176mm 10 pieces in one carton	
Notes	1. All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃of ambient temperature. 2..Tolerance:includes set us tolerance,line regulation and load regulation . 3.Loading should be 5-100%		

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■80W triac dimmable driver Mechanical Specification



※Input Brown with AC (L), Blue with AC (N)

※Output Red is (+), Black is (-)

※Note: Any other requests we can customized.

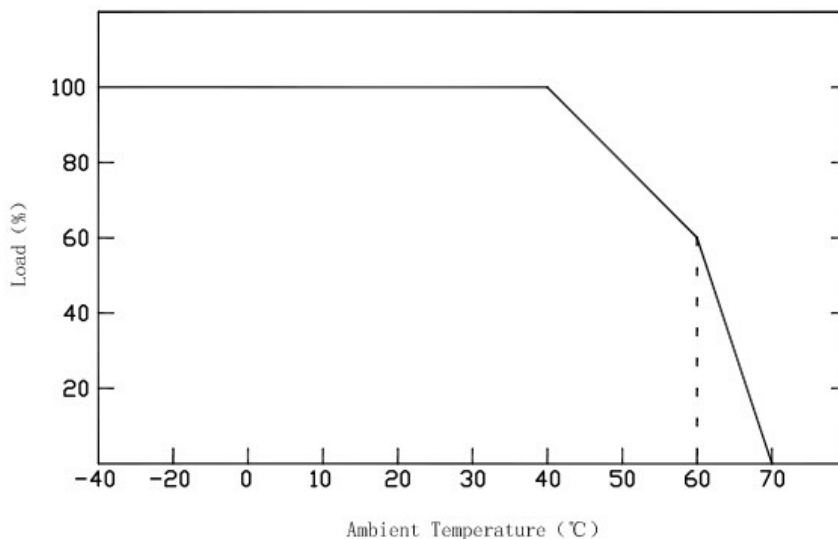
■Dimming Operation

※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.

※Compatible with most of Leading edge and a little kind of tailing edge triac dimmers. (To match only trailing edge dimmer can be customized.)

※Please try to use dimmers with power at least 3 times as the output power of the driver.

■Derating Curve



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

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■ Connecting Diagram

