

Datasheet

YCL150-200W-CC-SERIES

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YCL150-200W-CC SERIES



Input: 100-240VAC/200-240V 50-60Hz
Output Current: depend on requirement
Rated Power: 200W max

Features

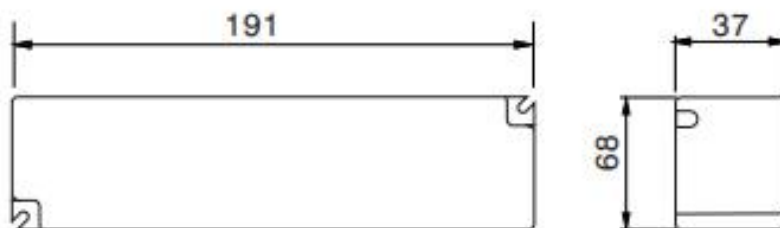
- Universal Input: 100-240V/200-240V AC 50-60Hz
- RoHS Compliance
- EMI Standard EN55015
- Safety Standard: EN61347-1, EN61347-2-13, UL8750
- Inrush current < 65A AC230V/50Hz
- High efficiency & low power consumption
- Short Circuit, Over Current and Over Voltage Protection
- Over temperature protection
- 100% full load burn-in test

Application

LED lights bring
 LED indoor lighting
 LED decorative lighting
 LED building lighting



■ Dimensions and Installation



YCL150-200W-CC SERIES

MODEL DETAIL SPEC. (allow for customized)		YCL150-2000	YCL150-2400	YCL150-3600	YCL150-4200
INPUT	Input Voltage:	100-240VAC/ 200-240VAC			
	Input Frequency:	50-60Hz			
	Inrush Current:	65 Amps max. at 230VAC/50Hz,full load			
	AC Current:	0.85A/230VAC			
	Leakage Current:	< 0.35mA/240VAC			
	Efficiency:	92%	92%	92%	92%
OUTPUT	Rated Current:	2000mA	2400mA	3600mA	4200mA
	Voltage Range:	60-100V	50-83.3V	40-55.5V	30-47.6V
	Rated Power:	200W	200W	200W	200W
	Current Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	<5%	<5%	<5%	<5%
	Line Regulation:	±3%			
	Load Regulation:	±5%			
	Setup, Rise, Hold Up time:	1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load			
ENVIRONMENTAL	Operating Temperature:	-20 ~ +50 (Refer to "Derating Curve")			
	Storage Temp:	-40°C ~ 85°C			
	Storage Humidity:	20 ~ 95% RH			
	Working Humidity:	20 ~ 95% RH non-condensing			
PROTECTION	Over Load:	Above 105%-130% rated output power			
		Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage:	Above 105%-130% rated output power			
Protection type: Shut down o/p voltage, re-power on to recover					
Over Temperature:	Shut down o/p voltage, re-power on to recover				
SAFETY & EMC	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015			
	Withstand Voltage:	I/P-O/P:3750KVAC			
	Harmonic	EN61000-3-2 Class C EN61000-3-3			
	EMI:	Compliance to EN55015			
	EMS :	compliance to 61547:2009			
OTHER	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient			
	Size:	191*68*37mm			
	Weight:	7000g / pcs			
	Packaging:	20PCS/CTN,37.5*28.5*24cm			

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Deduction curve and temperature



Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram



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