

Features

- Input Voltage Range 220~240V AC
- Protection OVP, OLP, SCP
- Working Temperature -20°C ~ +45°C
- Class II Protection Design
- Flicker-free Design
- Dimming Available
- IP67 Waterproof



Certified to UKCA, TUV-GS, RoHS, REACH & IEC 61347-1/IEC 61347-2-13 Standards and complies with the relevant Efficiency Regulations. These are primarily used in LED Lighting Industries and customised solutions are available upon request.

150W Models

Model Number	DC Voltage	Rated Current (A)	Rated Power (W)	Efficiency	Ripple & Noise
56YCL150-12012500	12	12.5	150	92	400
56YCL150-24006250	24	6.25	150	92	400
56YCL150-36004160	36	4.16	150	92	400
56YCL150-48003125	48	3.125	150	92	400

200W Models

Model Number	DC Voltage	Rated Current (A)	Rated Power (W)	Efficiency	Ripple & Noise
56YCL150-12016660	12	16.66	200	92	400
56YCL150-2408330	24	8.33	200	92	400
56YCL100-3605550	36	5.55	200	92	400
56YCL100-4804160	48	4.16	200	92	400

Input Specifications

Voltage Range	220-240/198-264VAC	
Frequency Range	50/60Hz	
Power Factor	≥0.9@Full load 220-240VAC	
Ac Current (Typ.)	0.9AMAX@Full load	150W
	1.15AMAX@Full load	200W
Inrush Current (Typ.)	<65 Amps at 230VAC/50Hz@Full load	
Leakage Current	<0.25mA/240VAC	
THD (Full load)	<20%	

Unload Power Consumption	<0.5W
--------------------------	-------

Output Specifications

Voltage Tolerance	±5%
Line Regulation	±3%
Load Regulation	±5%
Setup, Rise Time, Hold Up Time (Typ.)	1s, 10ms/60ms 230VAC @ Full load

Protection

Overload	Protection type: Auto restore
	Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	Protection type: Auto restore
	Protection type: Shut down o/p voltage, re-power on to recover
Short Circuit	Protection type: Auto restore

Environmental Characteristics

Operating Temp	-20°C ~ +45°C
Storage Temp	-40°C ~ +85°C
Humidity	20 ~ 95% RH
Max Case Temp	+85°C

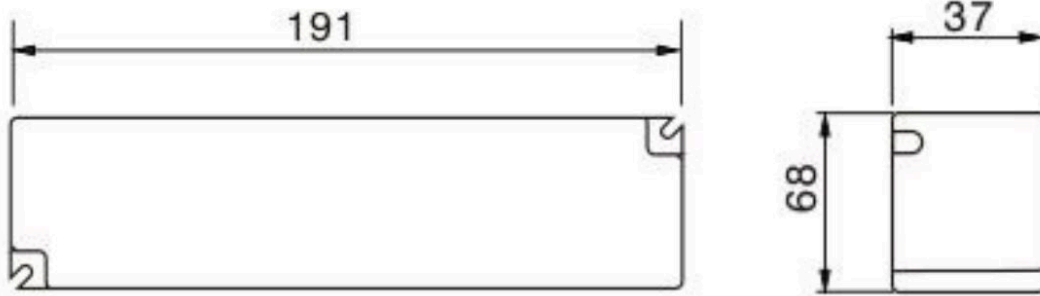
Safety

Safety Regulations:	EN61347-2-13:2014+A1:2017, EN61347-1:2015+A1:2021; EN62493:2015
Withstand Voltage:	I/P-O/P:3750VAC
Harmonic	EN61000-3-2 Class C EN61000-3-3
EMI	Compliance to EN55015
EMS	Compliance to EN61547:2009

Other Specifications

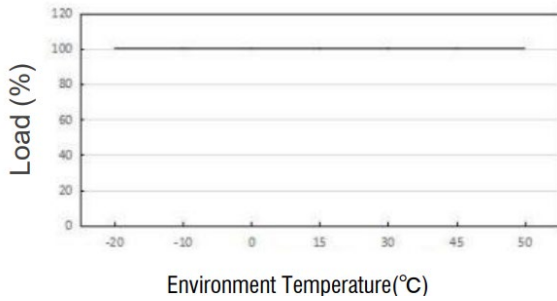
Lifetime	>30000hours@ta 40%
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case material	Plastic
IP Grade	IP67
Size	191*68*37mm(L*W*H)
Weight	820g/ pcs
Packaging	20pcs/ CTN

Dimensions and Installation

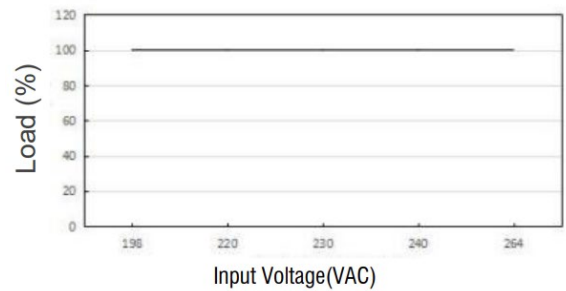


Curves

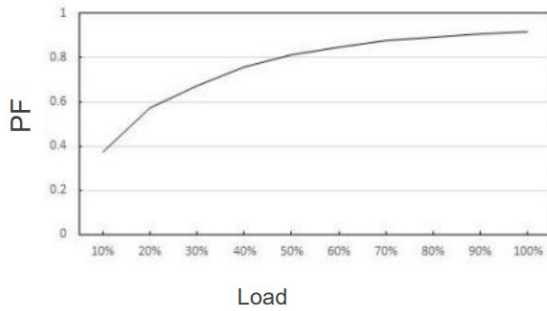
Deduction curve and temperature



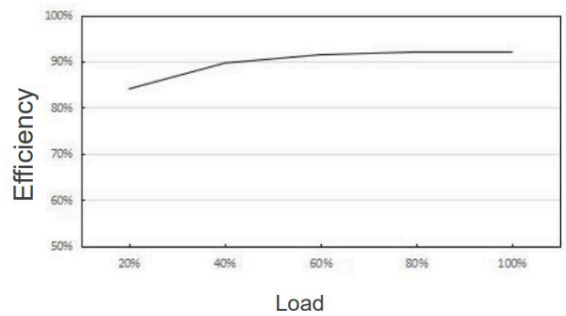
Minus Output and Input Voltage Curve



Power Factor (PF) C



Efficiency vs Load



Wiring Diagram

