

## 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.

### Models

Model Number	DC Voltage	Rated Current (A)	Rated Power (W)	Efficiency	Ripple & Noise
56YCL60-1205000	12	5	60	88	400
56YCL60-2402500	24	2.5	60	88	400
56YCL60-3601660	36	1.66	60	88	400
56YCL60-4801250	48	1.25	60	88	400

### Input Specifications

Voltage Range	220-240/198-264VAC
Frequency Range	50/60Hz
Power Factor	≥0.9@Full load 220-240VAC
Ac Current (Typ.)	0.4A MAX@Full load
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

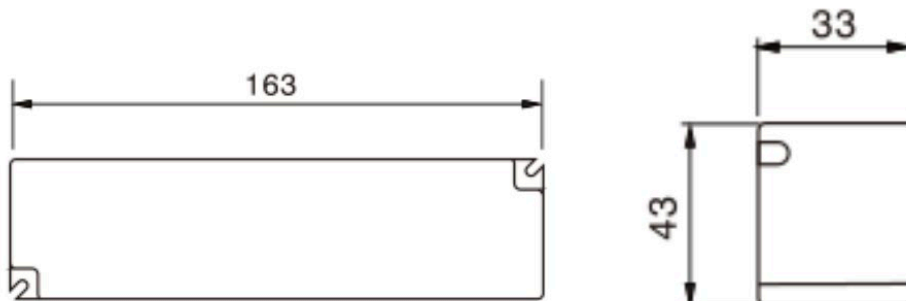
**Safety**

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**

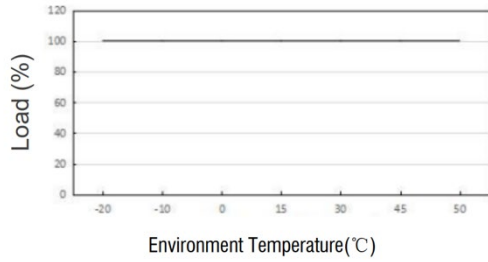
Lifetime	>30000hours@ta 40%
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case material	Plastic
IP Grade	IP67
Size	163*43*33mm(L*W*H)
Weight	380g/ pcs
Packaging	50pcs/ CTN

**Dimensions and Installation**

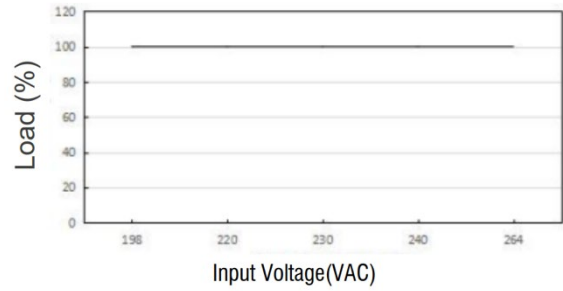


Curves

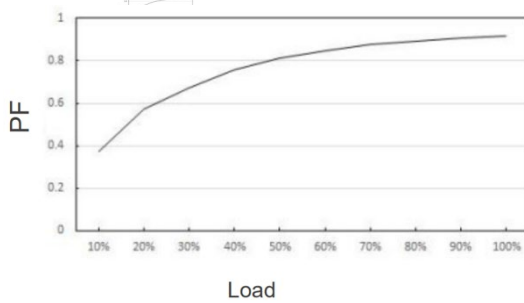
Deduction curve and temperature



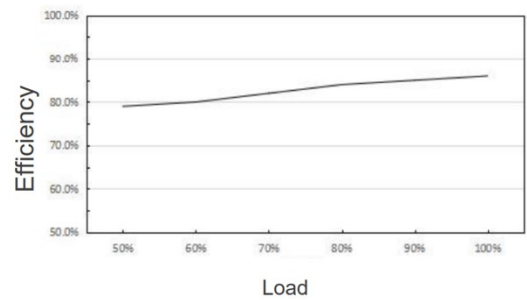
Minus Output and Input Voltage Curve



Power Factor (PF) C



Efficiency vs Load



Wiring Diagram



AC	H05RN-F 2*1.0mm <sup>2</sup> VDE
DC	SVT 18AWG*2C 105°C 300V