AC – DC

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 CE, 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
56YCL12-1201000	12	1	12	82	400
56YCL12-2400500	24	0.5	12	82	400
56YCL12-3600330	36	0.33	12	82	400
56YCL12-4800250	48	0.25	12	82	400

Input Specifications

Voltage Range	220-240/198-264VAC
Frequency Range	50/60Hz
Power Factor	≥0.7@Full load 220-240VAC
Ac Current (Typ.)	0.2AMAX@Full load
Inrush Current (Typ.)	<65 Amps at 230VAC/50Hz@Full load
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 is removed
Over Voltage	Protection type: Auto restore
	Protection type: Shut down o/p voltage, re-power on to recover
Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed

Environmental Characteristics

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

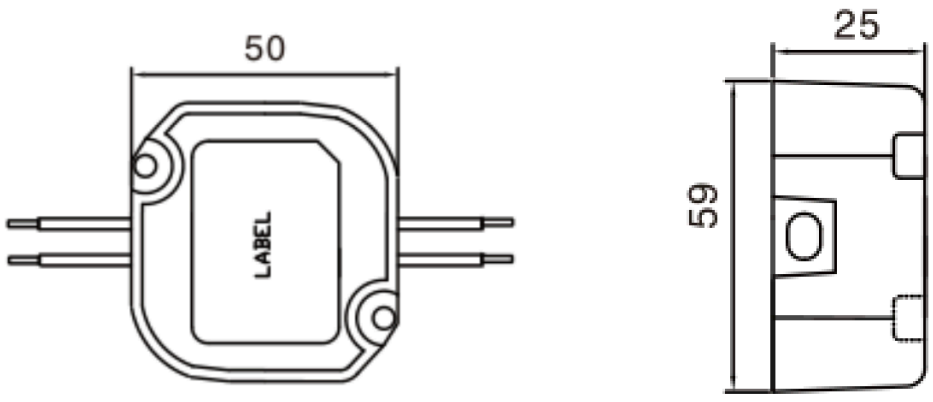
Safety

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

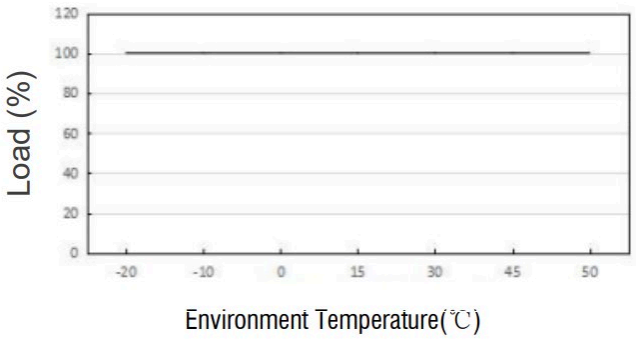
Lifetime	>30000hours@ta 40%
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case material	Plastic
IP Grade	IP67
Size	50*50*25mm(L*W*H)
Weight	100g/ pcs
Packaging	100pcs/ CTN

Dimensions and Installation

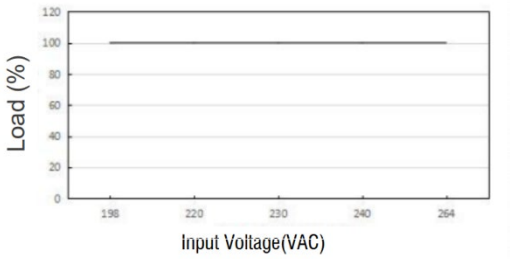


Curves

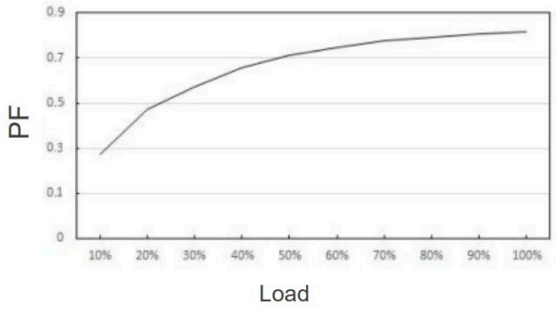
Deduction curve and temperature



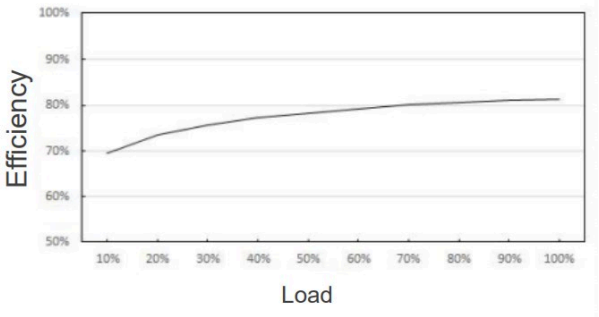
Minus Output and Input Voltage Curve



Power Factor (PF) Curves



Efficiency vs Load



Wiring Diagram

AC	H05RN-F 2*1.0mm2 VDE
DC	SVT 18AWG*2C 105℃ 300V