



Specifications

Constant Current LED Power Supplies Professional Series -PEAH, 15W

2020

PAIRUI ELECTRONICS

No. 545 Museum Road
Yangzhou, Jiangsu
China 225009

Tel: 86 (514) 8279 1592

Fax: 86 (514) 8769 3159

LED Power Supplies for Indoor Use

PEAH SERIES, 15WATT, IP20 RATING

Features

- 5 Years Warranty
- High Input Voltage Range: 220~240Vac
- Constant Current Output Mode
- Waterproof Rating IP20
- Optional 277VAC long term service
- Short Circuit, Over Load, No-load, Over temperature Protections
- Class II Power, no FG



Applications

- ✓ Panel Light
- ✓ Cabinet Light
- ✓ Down Light
- ✓ Other Indoor used Lights
- ✓ Recessed Light

Electrical

Part Number	Output Power	Output Current	Output Voltage	Efficiency	Certificate
PEAH015C0300NSLPA1	15.6W	300mA	35-52V	84%	CCC CE TUV SAA
PEAH015C0350NSLPA1	15.4W	350mA	30-44V	84%	CCC CE TUV SAA
PEAH015C0400NSLPA1	16W	400mA	26-40V	84%	CCC CE TUV SAA
PEAH015C0450NSLPA1	16.2W	450mA	24-36V	84%	CCC CE TUV SAA
PEAH015C0500NSLPA1	16W	500mA	21-32V	84%	CCC CE TUV SAA
PEAH015C0550NSLPA1	16W	550mA	19-29V	84%	CCC CE TUV SAA
PEAH015C0600NSLPA1	15.6W	600mA	17-26V	84%	CCC CE TUV SAA
PEAH015C0650NSLPA1	14.3W	650mA	15-22V	84%	CCC CE TUV SAA
PEAH015C0700NSLPA1	15.4W	700mA	15-22V	84%	CCC CE TUV SAA

NOTE: Other output models are may available on request.

INPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Rated Input Voltage		220		240	VAC
Range Of Input Voltage		198		264	VAC
Frequency		50		60	Hz
Input Current	198VAC, full load			0.04	A
Input Power	230VAC, full load			19.7	W
Power factor(PF)	230VAC, full load	0.9			
No-Load Power Consumption				1	W
THD	198VAC, full load			20	%

OUTPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Current Accuracy			±5		%
Max. Output Power				16.2	W
Started Delay Time	230VAC, full load			0.5	s
Current Ripple				±3	%

Protection

Short circuit	Auto Recovery
Over load	Auto Recovery
No-load	Auto Recovery
Insulation voltage	I/P to O/P,3KVac/1min
Insulation resistance	>100M ohm/500VDC
Leakage current	I/P to O/P <0.75mA

Environment

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Ta/Operation Temperature		-25		+50	°C
Ts/Storage Temperature		-40		85	°C
Tc/Enclosure Temperature				90	°C
Humidity		10		90	%RH

Construction

Connection Method	Amphenol connector
Installation	Independent external
Output amphenol connector specification	CS200-00-350-02P-15-01AH/CS200-00-350-0 4P-15-00AH
Input amphenol connector specification	CS200-00-350-02P-1Y-108AH/CS200-00-350-04P-1Y-210
Dimension	95*35*25mm

Others

RoHS	Complied to 2011/65/EU
Life Time	30000h @50°C(Ta)/90°C(Tc)
Warranty	5years

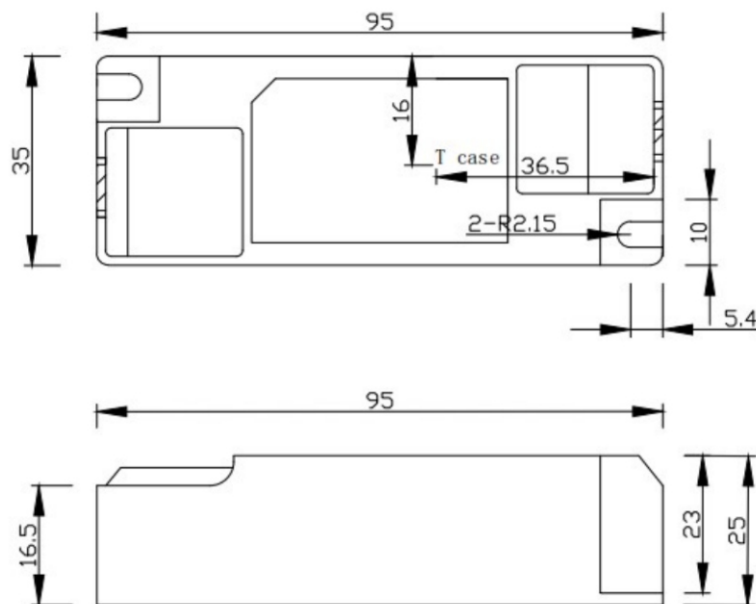
Standards

Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016, GB19510.1-2009
EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009, GB/T17743.2017
Surge	L-N/2KV
Performance	EN 62384

Remark:

1. Unless otherwise specified, all specification parameters are measured at input voltage of 230VAC, rated load and ambient temperature of 25°C.
2. Power supply is considered as a component and used in combination with terminal equipment, because EMC is affected by the whole set of equipment, the manufacturer of terminal equipment needs to re-emc confirm the whole set of equipment.

Mechanical



Packing information

Carton L*W*H(mm)	Pcs Carton	Net weight Pcs(kg)	Net weight Carton(kg)	Gross weight Carton(kg)
620*260*185	150	0.06	9	10.5

Electrical Curve

