



# Specifications

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## Constant Current LED Power Supplies Professional Series -PEAH, 20W

**2020**

### **PAIRUI ELECTRONICS**

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# LED Power Supplies for Indoor Use

## PEAH SERIES, 20WATT, 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
PEAH020C0300NSLPA1	21W	300mA	48-70V	84%	CCC CE TUV SAA
PEAH020C0350NSLPA1	21.7W	350mA	40-62V	84%	CCC CE TUV SAA
PEAH020C0400NSLPA1	22W	400mA	36-55V	84%	CCC CE TUV SAA
PEAH020C0450NSLPA1	21.6W	450mA	32-48V	84%	CCC CE TUV SAA
PEAH020C0500NSLPA1	21.5W	500mA	29-43V	84%	CCC CE TUV SAA
PEAH020C0550NSLPA1	21.5W	550mA	26-39V	84%	CCC CE TUV SAA
PEAH020C0600NSLPA1	21.6W	600mA	24-36V	84%	CCC CE TUV SAA
PEAH020C0650NSLPA1	20.2W	650mA	20-31V	84%	CCC CE TUV SAA
PEAH020C0700NSLPA1	21.7W	700mA	20-31V	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			0.13	A
Input Power	230VAC, full load			26.2	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				22	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		-20		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)/85°C(Tc)
Warranty	5years

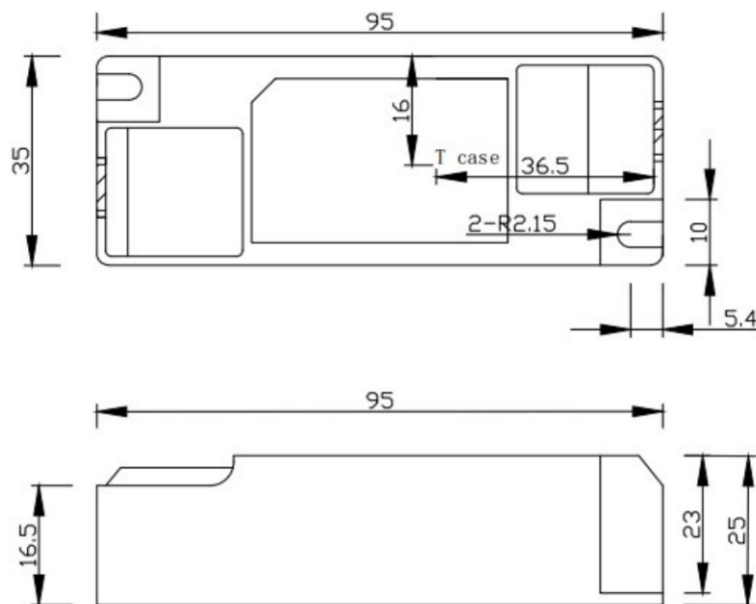
Standards

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

