



# Specifications

---

## Constant Current LED Power Supplies Economical Series -PEBH, 6W

**PAIRUI ELECTRONICS**

No. 545 Museum Road  
Yangzhou, Jiangsu  
China 225009

Tel: 86 (514) 8279 1592

Fax: 86 (514) 8769 3159

**2020**

# LED Power Supplies for Indoor Use

## PEBH SERIES, 6WATT, IP20 RATING

### Features

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



### Applications

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

### Electrical

Part Number	Output Power	Output current	Output voltage	Efficiency	Certificate
PEBH006C0120NSLPA1	6W	120mA	30-50V	75%	CE TUV SAA
PEBH006C0150NSLPA1	6.8W	150mA	24-45V	75%	CE TUV SAA
PEBH006C0180NSLPA1	6.3W	180mA	22-35V	75%	CE TUV SAA
PEBH006C0200NSLPA1	7W	200mA	18-35V	75%	CE TUV SAA
PEBH006C0300NSLPA1	6.6W	300mA	12-22V	75%	CE TUV SAA
PEBH006C0350NSLPA1	6.3W	350mA	9-18V	75%	CE TUV SAA
PEBH006C0400NSLPA1	6W	400mA	8-15V	75%	CE TUV SAA
PEBH006C0500NSLPA1	6.5W	500mA	6-13V	72%	CE TUV SAA
PEBH006C0550NSLPA1	7.2W	550mA	6-13V	72%	CE TUV SAA
PEBH006C0600NSLPA1	6W	600mA	4-10V	72%	CE TUV SAA
PEBH006C0700NSLPA1	7W	700mA	4-10V	72%	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			0.05	A
Input Power	230VAC, full load			10	W
Power factor(PF)	230VAC, full load	0.5			
No-Load Power Consumption				1	W
Inrush Current	230VAC, full load	≤25A/200us(230VAC, full load)			

**OUTPUT**

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Current Accuracy			±5		%
Max. Output Power				7.2	W
Started Delay Time	230VAC, full load			0.5	s
Current Ripple				±7	%

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 @45°C(Ta)/85°C(Tc)
Warranty	3years

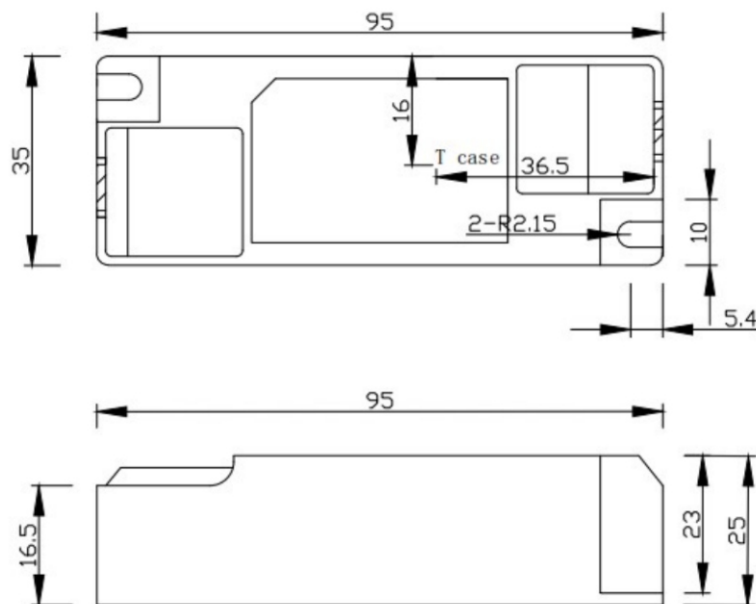
Standards

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/0.5KV(2KV Optional)

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

