



Specifications

**Constant Current LED Power Supplies
Economical Series -PEBH, 25-45W**

PAIRUI ELECTRONICS

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2020

LED Power Supplies for Indoor Use

PEBH SERIES, 25-45WATT, 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	Rated Power	Output current	Output voltage	Efficiency	Certificate
PEBH025C0500NSLPA2	21W	500mA	27-42V	86%	CE, TUV, SAA
PEBH025C0600NSLPA2	25.2W	600mA	27-42V	86%	CE, TUV, SAA
PEBH030C0700NSLPA2	29.4W	700mA	27-42V	86%	CE, TUV, SAA
PEBH035C0800NSLPA2	33.6W	800mA	27-42V	86%	CE, TUV, SAA
PEBH040C0900NSLPA2	37.8W	900mA	27-42V	86%	CE, TUV, SAA
PEBH040C0950NSLPA2	39.9W	950mA	27-42V	86%	CE, TUV, SAA
PEBH045C1000NSLPA2	42W	1000mA	27-42V	86%	CE, TUV, SAA
PEBH045C1050NSLPA2	44.1W	1050mA	27-42V	86%	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			0.25	A
Input Power	230VAC, full load			51.5	W
Power factor(PF)	230VAC, full load	0.95			
No-Load Power Consumption				1	W
THD	230VAC, full load			20	%

OUTPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Current Accuracy			±5		%
Max. Output Power				44.1	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	124*41*28mm

Others

RoHS	Complied to 2011/65/EU
Life Time	30000h @50°C(Ta)/90°C(Tc)
Warranty	3years

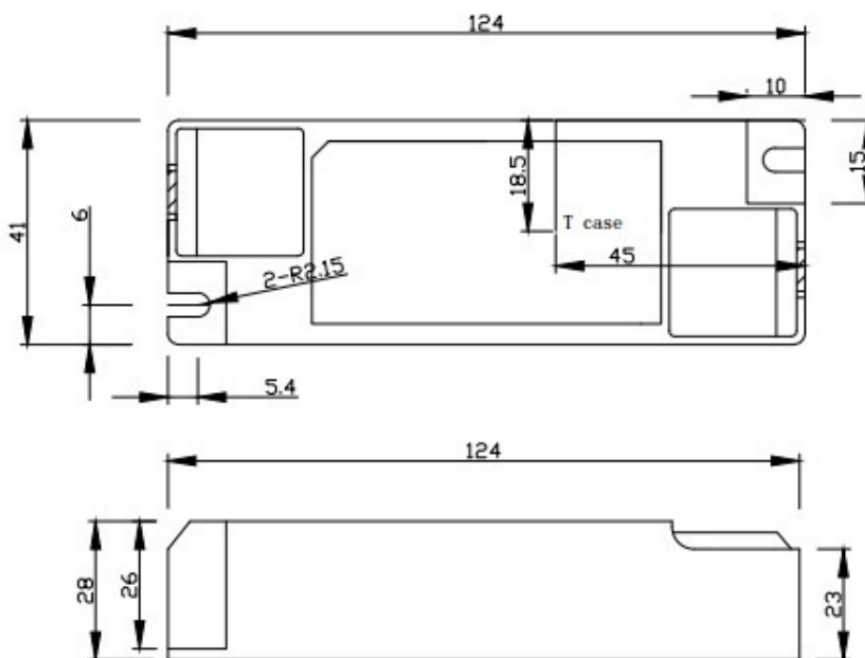
Standards

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/2KV

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	120	0.1	12	13.5

Electrical Curve

