



Specifications

Constant Current LED Power Supplies Economical Series -PEBH, 12W

PAIRUI ELECTRONICS

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LED Power Supplies for Indoor Use

PEBH SERIES, 12WATT, 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
PEBH012C0200NSLPA1	12W	200mA	42-60V	82%	CE TUV SAA
PEBH012C0250NSLPA1	12W	250mA	30-48V	82%	CE TUV SAA
PEBH012C0300NSLPA1	12W	300mA	30-40V	82%	CE TUV SAA
PEBH012C0350NSLPA1	13.3W	350mA	24-38V	82%	CE TUV SAA
PEBH012C0400NSLPA1	12.4W	400mA	20-31V	82%	CE TUV SAA
PEBH012C0500NSLPA1	12.5W	500mA	16-25V	82%	CE TUV SAA
PEBH012C0600NSLPA1	14.4W	600mA	10-24V	82%	CE TUV SAA
PEBH012C0700NSLPA1	14W	700mA	10-20V	82%	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			0.06	A
Input Power	230VAC, full load			17.6	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				14.4	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

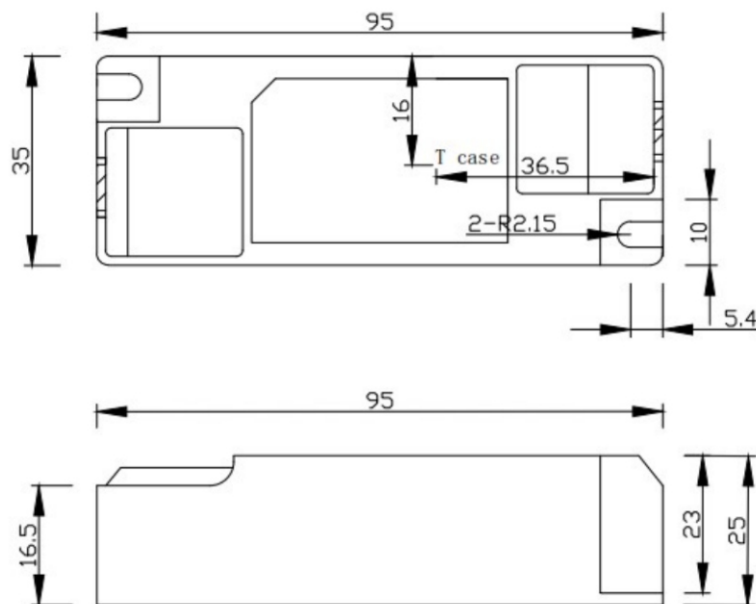
Standards

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

