



Specifications

Constant Current LED Power Supplies Professional Series -PEAH, 50W

2020

PAIRUI ELECTRONICS

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LED Power Supplies for Indoor Use

PEAH SERIES, 50WATT, 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
PEAH050C0500NSLPA3	47.5W	500mA	70-95V	88%	CE TUV SAA
PEAH050C0550NSLPA3	46.8W	550mA	60-85V	88%	CE TUV SAA
PEAH050C0650NSLPA3	49.4W	650mA	50-76V	88%	CE TUV SAA
PEAH050C0850NSLPA3	46.8W	850mA	40-55V	88%	CE TUV SAA
PEAH050C0900NSLPA3	49.5W	900mA	40-55V	88%	CE TUV SAA
PEAH050C1100NSLPA3	46.2W	1100mA	27-42V	88%	CE TUV SAA
PEAH050C1150NSLPA3	48.3W	1150mA	27-42V	88%	CE TUV SAA
PEAH050C1200NSLPA3	50.4W	1200mA	27-42V	88%	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			0.29	A
Input Power	230VAC, full load			57.3	W
Power factor(PF)	230VAC, full load	0.95			
No-Load Power Consumption				1	W
THD	198VAC, full load			20	%

OUTPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Current Accuracy			±5		%
Max. Output Power				50.4	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	154*47*29mm

Others

RoHS	Complied to 2011/65/EU
Life Time	30000h @50°C(Ta)/85°C(Tc)
Warranty	5years

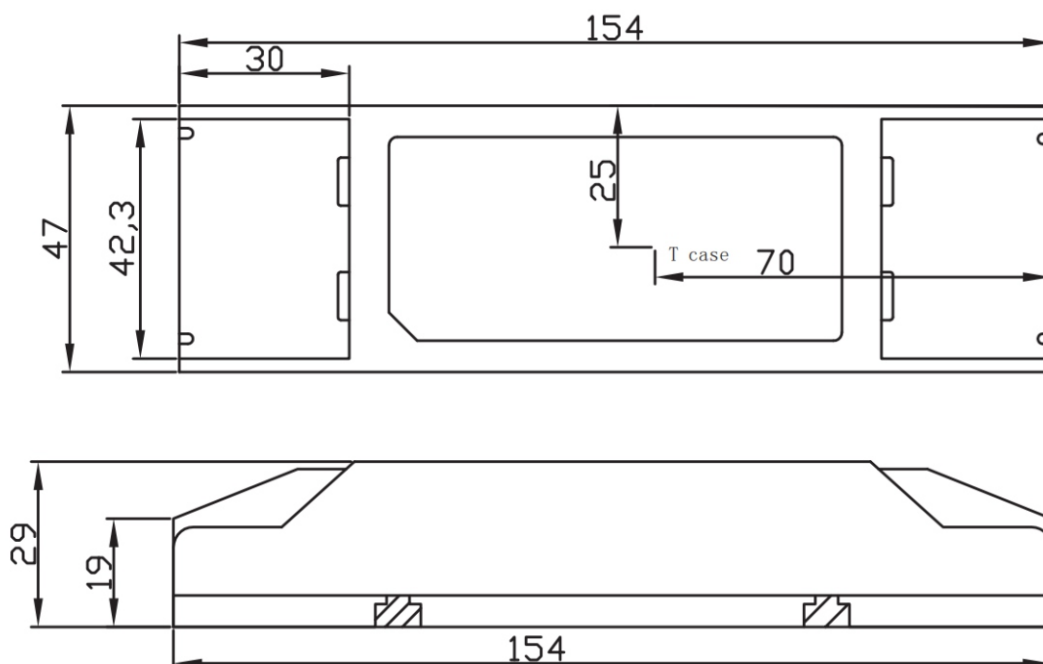
Standards

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

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



Electrical Curve

