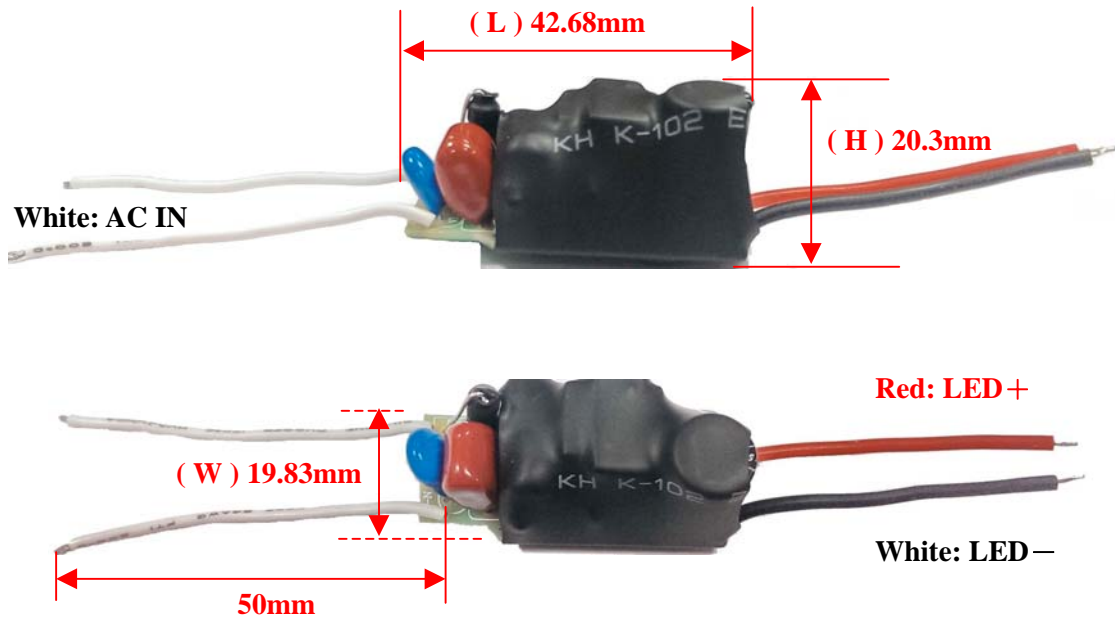




8W~12W Power Supply Specification 42V - 66V/165 mA

SIZE :



SIZE : Length (L) 42.68mm * Width (W) 19.83mm * Height (H) 20.3mm (With casing sizes)

FEATURES :

1. Universal AC input / Full range.
2. Non- isolated Buck /Built-in active PFC function.
3. Constant current output .
4. Protections: Short circuit/Over load/Over voltage/Over temperature.
5. High efficiency up to 90%.
6. Small and compact size.
7. Suitable for LED lighting applications.
8. 2 years warranty.



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SPECIFICATION :

(TA=25°C)

Item	Parameters	unit	Description	
INPUT	Voltage Range	90V-265Vac	Note: There may be when the AC input voltage is outside this range will cause the LED power supply module does not work	
	Frequency Range	47-63Hz		
	AC Current (Max)	< 150mA	< 150mA (100mA@AC120V@12W)	
	Inrush Current	10A max	Note: Turn on the power at an ambient temperature of 25 °C, which must not exceed 10A surge current	
	Efficiency	≥ 88%	non-isolated buck Active PFC	
	Power Factor	> 0.9	(75-100% Load)	
OUTPUT	DC Voltage	< 70V	No-load output voltage range	
	Constant Current Region	42-66V	No-load output voltage range	
	Start-up time (full load)	< 1S		
	Output current	Rated Current	165mA	
		Current precision	± 2.0%	
		Line regulation	± 3.0%	
	Ripple & Noise (max.)	≤ ±8.0%		
Rated Power (max)	8~12Watt	Note: When using the standard power usage here! Over this power supply can overheat or even failure		
PROTECTION	Over current	95-110% Constant current limiting, recovers automatically after fault condition is removed		
	Short Circuit	Recovers automatically after fault condition is removed.		
	Over Voltage	Protection type : Shut down o/p voltage, re-power on to recover		
	Over Temperature	Shut down output voltage, re-power on to recover		
ENVIRONMENT	Working TEMP , Humidity	-20°C ~+40°C / 20%~80%RH		
	Storage TEMP, Humidity	-20°C ~+70°C / 10%~90%RH		
	Waterproof / dustproof	This built-in power supply for the LED does not have waterproof / dustproof function		
	Vibration	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes		
	MTBF	20Khrs min	MIL-HDBK-217F (25°C)	
SAFETY&EMC	EMC Emission	Compliance to EN55015,EN55022(CICPR22) Class B		
	Harmonic Currents	Compliance to EN61000-3-2ClassC (≥75% Load) ; EN61000-3-3		
	EMC Immunity	Compliance to EN 61000-4-8		



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INSTALLATION PRECAUTIONS:

1. LED light product to be added moisture and insulation measures to avoid moisture into the circuit, will cause the LED power supply module does not work.
2. Installation should note: the two white lines AC input line. Red and white line is the output line, the output of which red line is positive output terminal, white line is negative output terminal.
3. Do not hit the hot melt adhesive on the power supply board, will cause the LED power supply module does not work.

TYPICAL PARAMETERS OF THE TEST DATA:

AC 90V

Output Voltage(V)	Output Current(mA)	Input Power (W)	Power Factor	Efficiency (%)
66V	164	12.2	0.937	88.72
42V	165	7.87	0.976	89.29

AC 120V

Output Voltage(V)	Output Current(mA)	Input Power (W)	Power Factor	Efficiency (%)
66V	164	11.96	0.976	90.50
42V	165	7.79	0.991	90.10

AC 240V

Output Voltage(V)	Output Current(mA)	Input Power (W)	Power Factor	Efficiency (%)
66V	165	12.31	0.927	88.46
42V	166	8.13	0.949	87.27

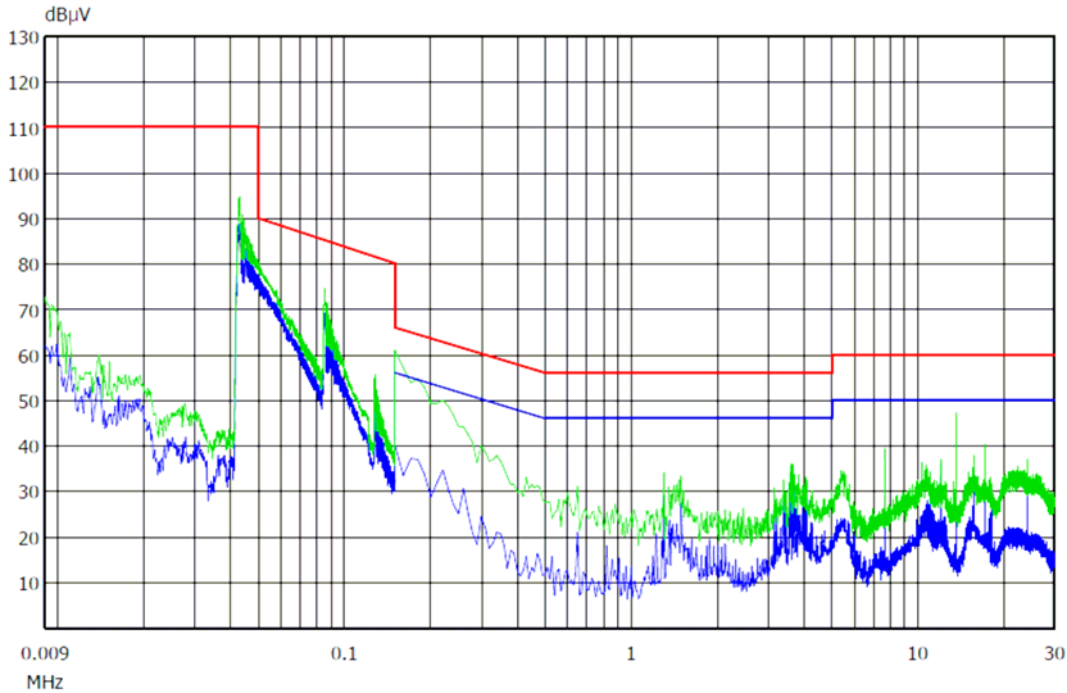
AC 265V

Output Voltage(V)	Output Current(mA)	Input Power (W)	Power Factor	Efficiency (%)
66V	165	12.44	0.941	87.54
42V	165	8.23	0.896	85.80

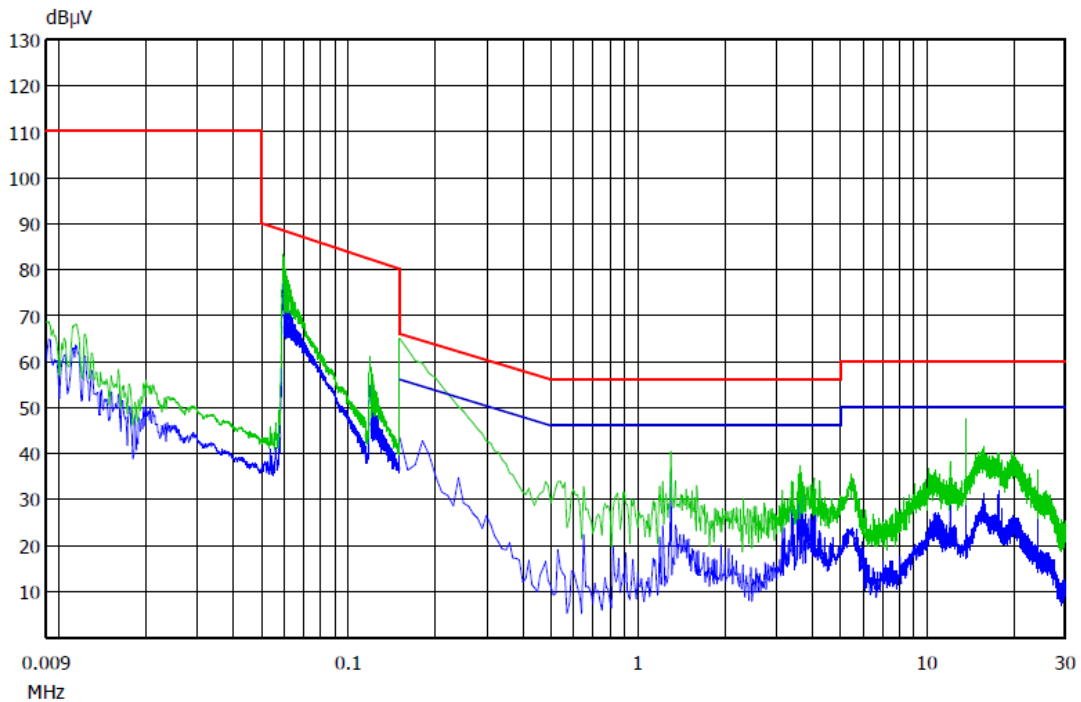


8W~12W Power Supply Specification 42V - 66V/165 mA

EMI RESULT



EMI Test Results, Conducted Emission-Line at 110VAC Input Condition, Full Load (16-LED Series)



EMI Test Results, Conducted Emission-Line at 220VAC Input Condition, Full Load (16-LED Series)

* All specs and applications shown above subject to change without prior notice.