

1. Electrical

1.1 Input characteristics

Classification	Subject of entry	
Input characteristics	Rated input voltage	120-347Vac
	Range input voltage	108-380Vac
	Input current	<1.05A
	Input frequency	50/60Hz
	Input frequency range	47-63Hz
	Turn on delay time	≤500ms
	No-load power consumption	≤1.5W
	Stand-by power consumption	≤1.5W
	Inrush current	<60A
	Power factor(@70%Load to Full load)	≥0.9
	THD(@70%Load to Full load)	≤20%

1.2 Output Characteristics

Constant Current Mode CV								
Model No.	Output Voltage range	Rated Current m/A	OVP	Output power(Rated) / (W)	Efficiency (%) (Full load)		Output ripple(peak to peak) ①	Auxiliary Outputs 12V/200 mA Max
					@120Vac	@347Vac		
WP-CHA-080B0501250	30-50	1250	63	62.4	≥88	≥89	<1V	Optional
WP-CHA-080B0501300	30-50	1300	63	65	≥88	≥89	<1V	
WP-CHA-080B0501350	30-50	1350	63	67.5	≥88	≥89	<1V	
WP-CHA-080B0501400	30-50	1400	63	70	≥88	≥89	<1V	
WP-CHA-080B0501450	30-50	1450	63	72.5	≥88	≥89	<1V	
WP-CHA-080B0501500	30-50	1500	63	75	≥88	≥89	<1V	
WP-CHA-080B0501550	30-50	1550	63	77.5	≥88	≥89	<1V	
WP-CHA-080B0501600	30-50	1600	63	80	≥88	≥89	<1V	
WP-CHA-080B0471700	30-47	1700	63	79.9	≥88	≥89	<1V	
WP-CHA-080B0441800	30-44	1800	63	79.2	≥88	≥89	<1V	
WP-CHA-080B0421900	24-42	1900	63	79.8	≥88	≥89	<1V	
WP-CHA-080B0402000	24-40	2000	63	80	≥88	≥89	<1V	

Note①

Ripple noise measurement method

10% of nominal output voltage (whichever is greater), measured at 20MHz bandwidth with 0.1uF ceramic capacitor in parallel with 10uF electrolytic capacitor connected at the end of the output connector.

1.3 protection Characteristics

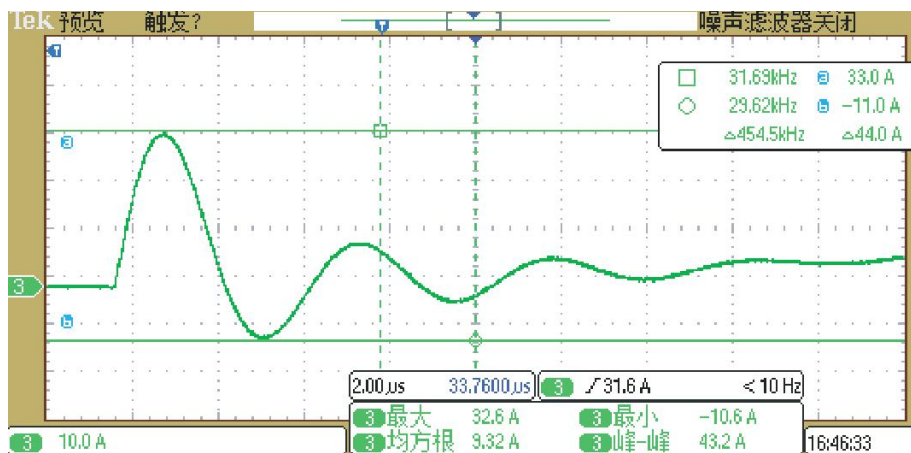
1.3.1 Short circuit protection

Hiccup/short happened between the output terminals and shall not result in fire and any damage. The power no output, output will auto recover upon removal of over load.

1.3.2 Other protection

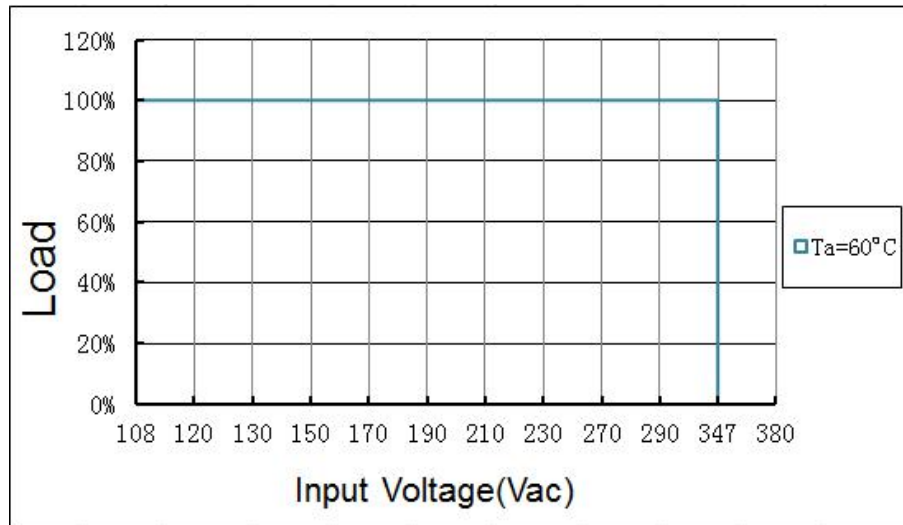
Rely on input fusing.

1.3.3 Inrush current Waveform



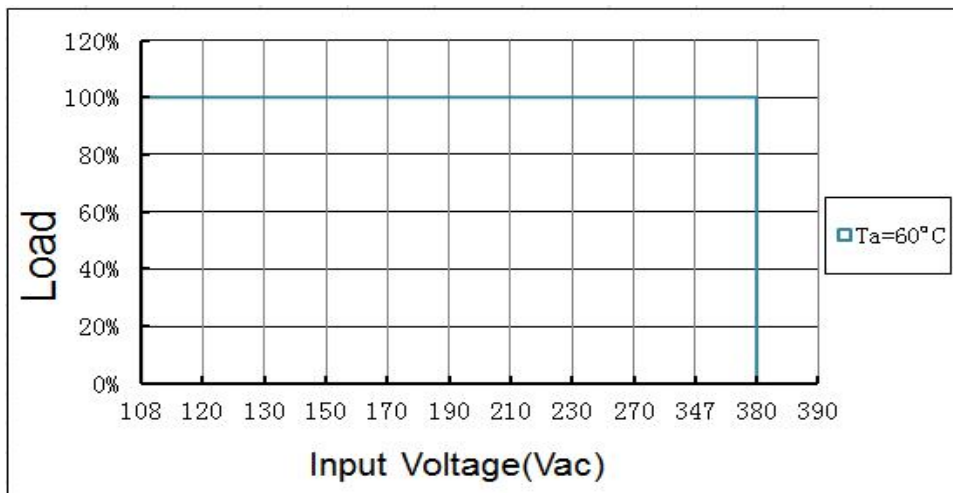
1.3.4 Derating curve

	-40°C	-25°C	0°C	25°C	45°C	60°C
120V	100%	100%	100%	100%	100%	100%
277V	100%	100%	100%	100%	100%	100%
347V	100%	100%	100%	100%	100%	100%

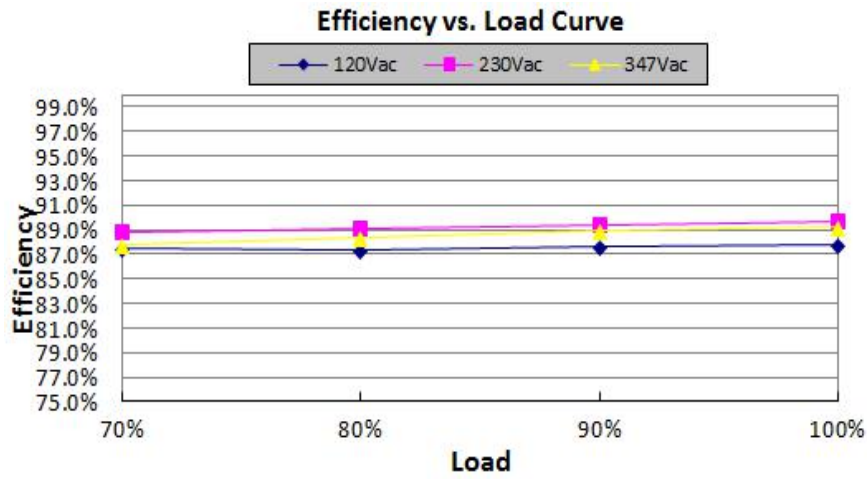


1.3.5 Static characteristics

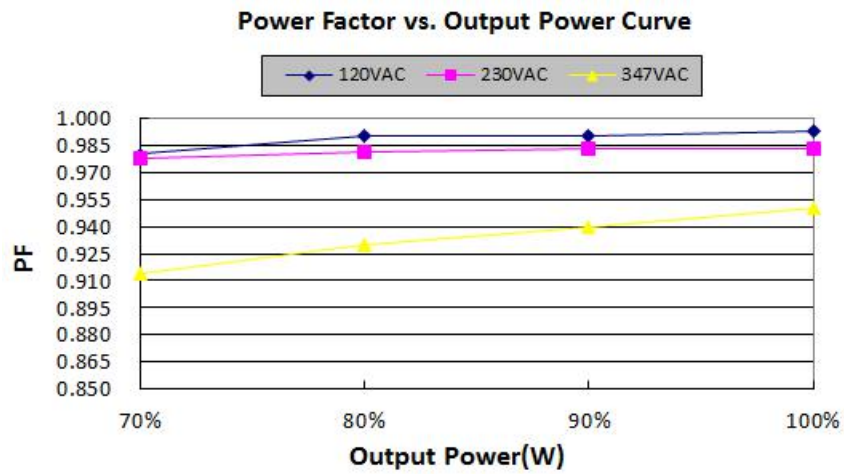
108Vac	120V	220V	240V	277V	347V	380V
100%	100%	100%	100%	100%	100%	100%



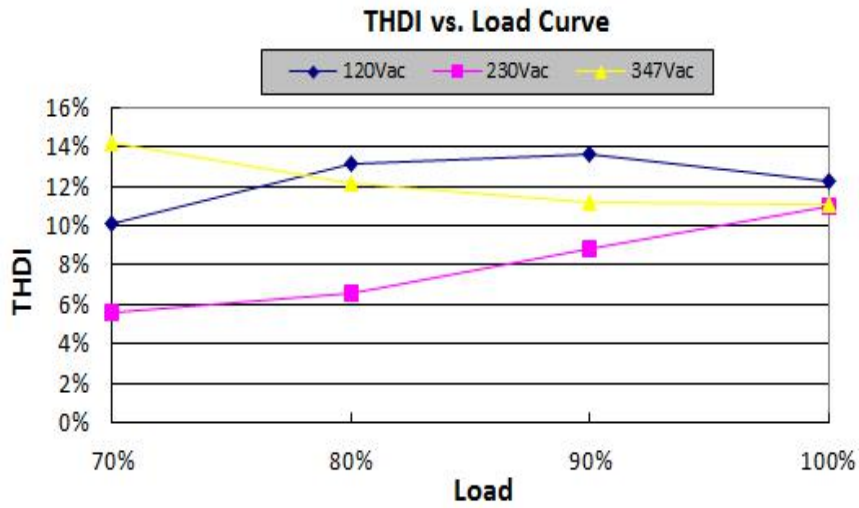
1.3.6 Efficiency VS Load Curve



1.3.7 Power Factor vs. Load Curve



1.3.8 THDI vs. Load Curve

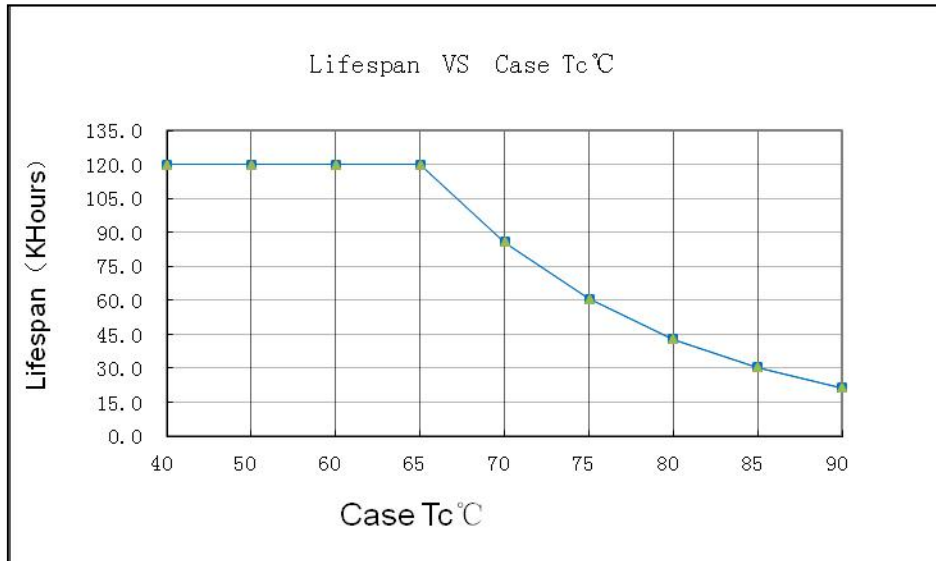


1.4 Environmental

Classification	Subject of entry	
Safety&EMC	Safety Standards	UL8750/CAN/CSA-C22.2 NO. 250.13
	EMC /	FCC part 15 class B.
Hi-Pot	I/P-O/P	1.6KVac,5mA,60S;
	I/P-FG	1.5KVac,5mA,60S;
	O/P-FG	1.5KVac,5mA,60S;
lightning surge	ICE61000-4-5	L-N :4KV L&N-PE:6KV
Insulation Resistance	I/P-O/P; O/P-FG; I/P-FG	100Mohm/500Vdc
Leakage current	277Vac input / 277V	<0.75mA
Environmental	MTBF	200,000 hours at 77°F ambient temperature
	Operation temperature	-40°F to 140°F
	Humidity	10% to 90%
	Storage temperature	-40°F to 185°F
	Protection Class	IP65
	Environment rating	RoHS
	Case Size (L*W*H) in	L*W*H: 9.45"x1.7"x1.18"

2. Product life reference diagram

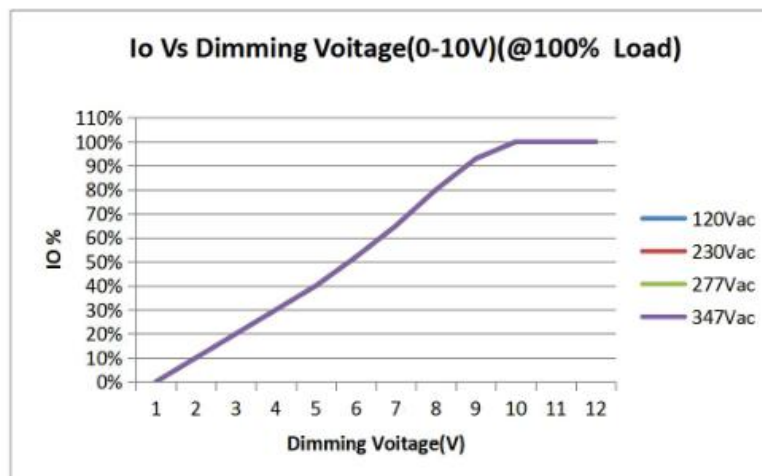
Case Temperature (tc)	40°C	50°C	60°C	65°C	70°C	75°C	80°C	85°C	90°C
Lifespan (KH ours)	120	120	120	120	85.7	60.6	42.8	30.3	21.4



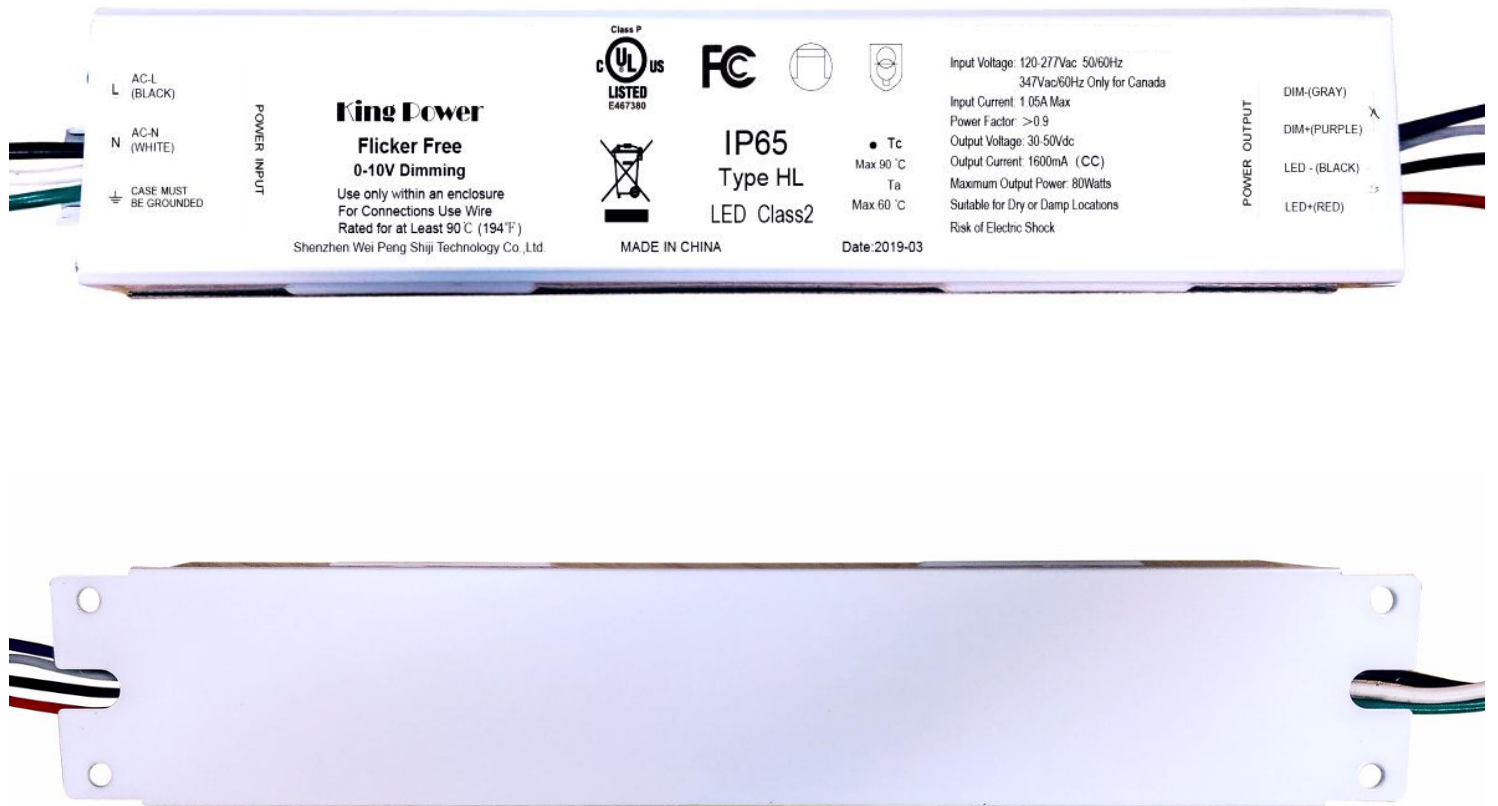
3. Dimming function

1-10V Dimming/0-10V ; 0-100% dimming scope 0-100%

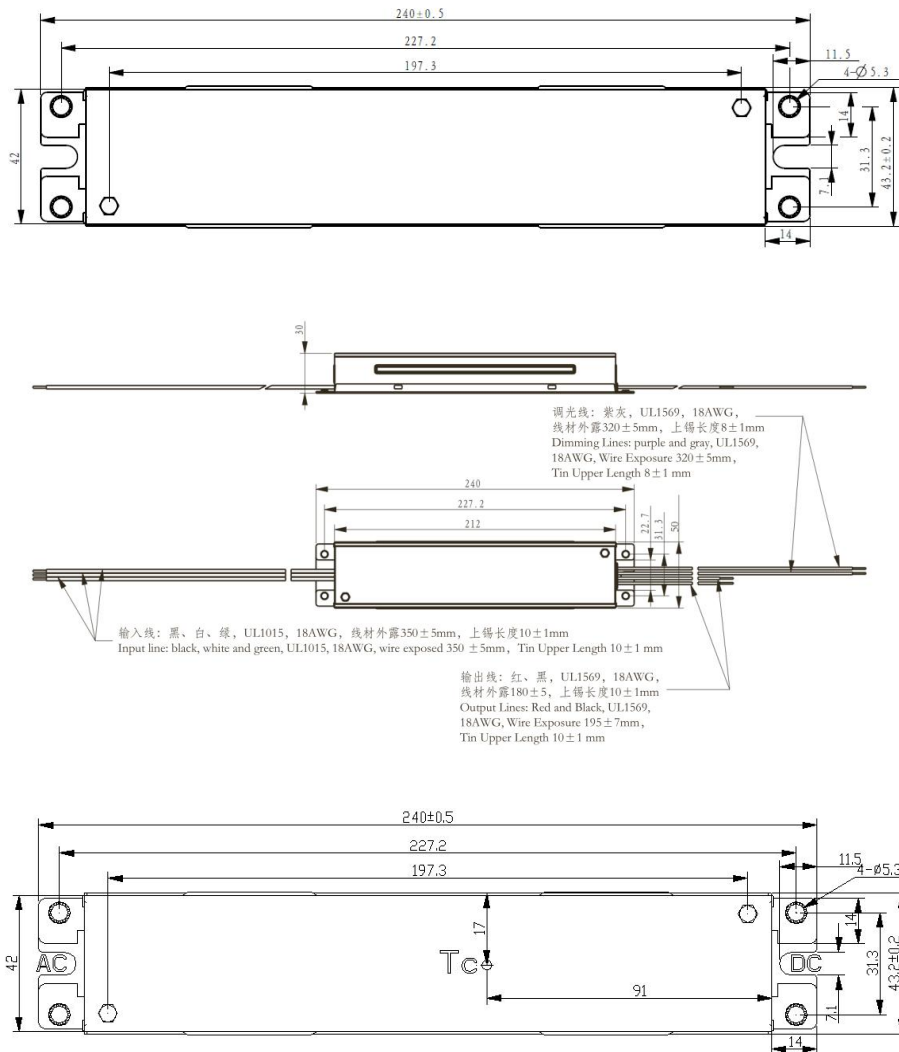
Dimming Voltage (V)	0	1	2	3	4	5	6	7	8	9	10	OPEN
Percentage of rated current	0%	0%	9%	20%	30%	40%	53%	65%	81%	95%	100%	95%-105%



4. Enclosure



5. Mounting hole size



6. Label schematic



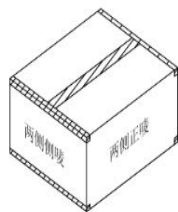
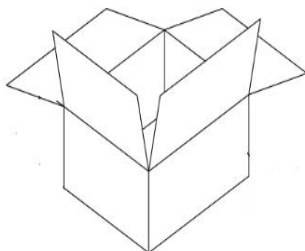
7. Packing

Net Weight: 1.23-lbs

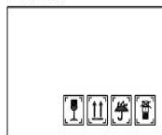
QTY/: 32pcs

Carton Dimension: 16.5"x12.59"x7.48"

Net Weight/Gross Weight: 39.46lbs/41.88lbs



两侧侧吸



两侧正吸

P/N:	LOT/NO:		
QTY:	PCS	DATE:	
N. W:	KG	G. W:	KG
SIZE:			