



常州市创联电源科技股份有限公司

Changzhou Chuanglian Power Supply Technology Corporation

承认书

CERTIFICATE FOR CONFIRMATION

客户名称 (CUSTOMER) : _____
客户料号 (PART NO.) : _____
产品名称 (PART NAME) : LED driver
产品规格 (DESCRIPTION) : CV-60WS Series
编制日期 (DATE) : _____

制定 (Engineer)	审核 (Supervisor)	核准 (Engineer Manager)
承认 (Engineer)	审核 (Supervisor)	核准 (Engineer Manager)

注:此承认书一式二份,请签核完后寄回我司一份保存。

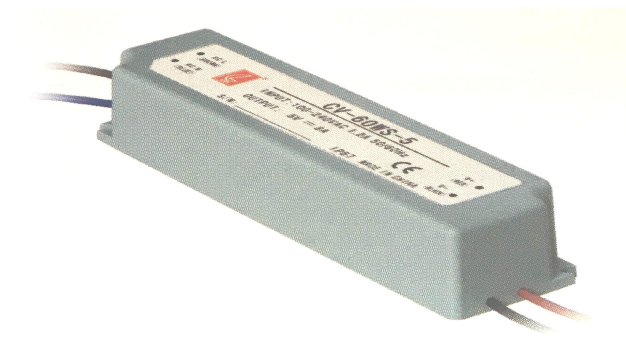
Remark:This certification is in duplicate,please send us a copy signing.

厂商:常州市创联电源科技股份有限公司 地址:江苏省常州市钟楼经济开发区童子河西路8号 电话:86-519-85215050, 85210525 传真:86-519-85215252, 85215770 网址:www.cl-power.com 邮箱:cls@cl-power.com	Mfr.:Changzhou Chuanglian Power Supply Technology Corporation Address:No. 8, Tongzihe West Road, Bell Tower Economic Development Zone, Changzhou, Jiangsu 213024, China Tel:86-519-85215050, 85210525 Fax:86-519-85215252, 85215770 Http:www.cl-power.com E-mail:cls@cl-power.com
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编号:



CV-60WS系列开关电源



◆ Features:

- low cost, high reliability
- Protection: Over load, short circuit
- 100% pass full load aging test
- IP67
- 2 years warranty

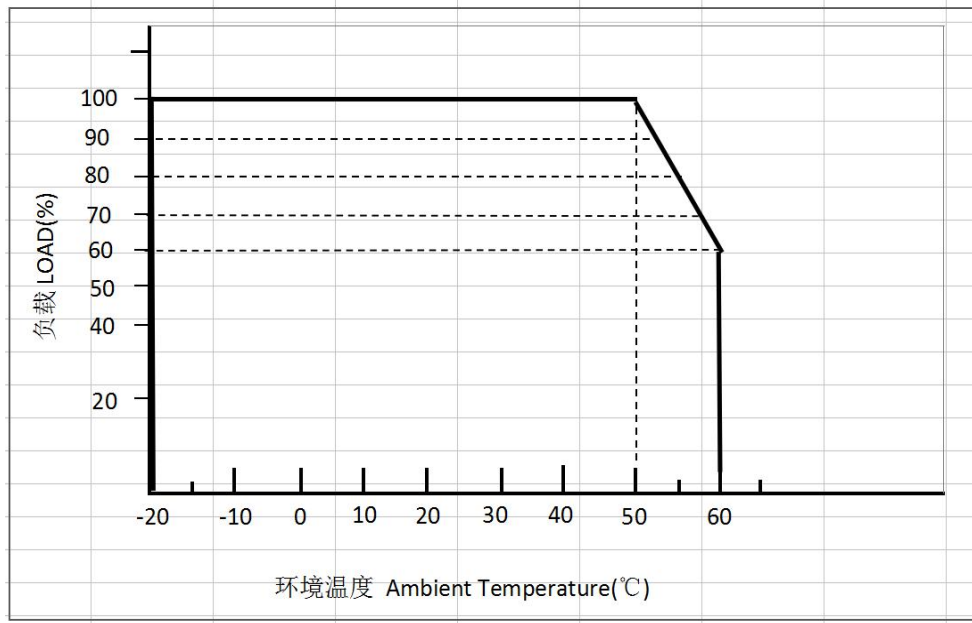
Electrical Specification

PN		CV-60WS-5	CV-60WS-12	CV-60WS-24	CV-60WS-36	CV-60WS-48
Output	Output voltage	5V	12V	24V	36V	48V
	Rated current	8A	5A	2.5A	1.67A	1.25A
	Current range	0~8A	0~5A	0~2.5A	0~1.67A	0~1.25A
	Rated Power	40W	60W	60W	60W	60W
	Ripple&Noise	300mVp-p	300mVp-p	300mVp-p	300mVp-p	300mVp-p
	Voltage ADJ range	4.5~5.5V	10.8~13.2V	21.6V~26.4V	32.4V~39.6V	43.2V~52.8V
	Voltage tolerance	±5%	±5%	±5%	±5%	±5%
	Line regulation	±1%	±1%	±1%	±1%	±1%
	Load regulation	±2%				
	Stepup, rise time	2000mS, 50mS/rated load				
	Hold up time (Typ)	16mS/rated full load				
Input	Voltage range	100~240VAC				
	Frequency range	47~63HZ				
	PFC (Typ)	PF≥0.5				
	Efficiency (Typ)	≥76%	≥83%	≥86%	≥86%	≥86%
	AC current	100VAC	1.4A		0.6A	
	240VAC	0.6A				
	Inrush current (Typ)	cold start max 60A/230VAC				
Protection	over load	rated load range 110%~250%, cut-off output when over load, auto-recovery after back to normal load range				
	short circuit	cut-off output, recovers automatically after fault condition is removed				
Environment	working temperature	-20℃~+50℃@100% load, +60℃@60% load 90VAC@80% load				
	working humidity	20~90%RH				
	Storage temperature	-20℃~+85℃				
	storage humidity	10~95%RH				
	temperature coefficient	±0.03%/℃ (0~50℃)				
	vibration-proof	10~500Hz, 2G, 10min/1 cycle, period of 60 mins each along X、Y、Z axes				
Safety & EMC&EMI	Safety standards	according to UL1310				
	Withstand voltage	I/P-O/P: 3.0KVAC				
	Isolation resistance	I/P-O/P: 100MΩ/500VDC				
	EMC	according to:GB17625.1;EN55022, GB9254 ;EN61000-3-2, -3				
	Harmonic current	according to:GB17625.1;EN61000-3-2, -3 limit requirement				
	EMI	according to:EN55024 ;EN61000-4-2, 3, 4, 5, 6, 8, 11				
Other	Life	100,000 hours				
	Size	162*42*34mm (L*W*H)				
Remarks	<p>*In order to extend the lifetime, it is recommended to configure the load no more than 30% of the remaining allowance. For example: the power of the device requires 100W, then use the power of less than 130W.</p> <p>*Ripple test method: 20MHz oscilloscope in power output terminal test, oscilloscope probe wire length is not more than 12mm, and input parallel 47uF electrolytic capacitors and 0.1uF high frequency capacitance probe.</p>					

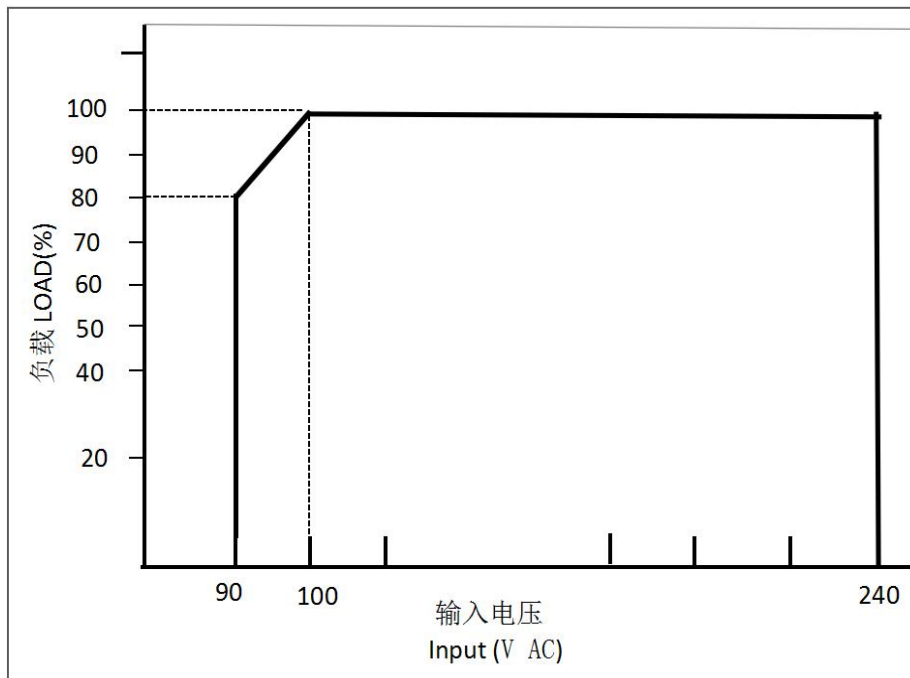


CV-60WS系列开关电源



Load temperature drop curve



load current--Input voltage drop curve

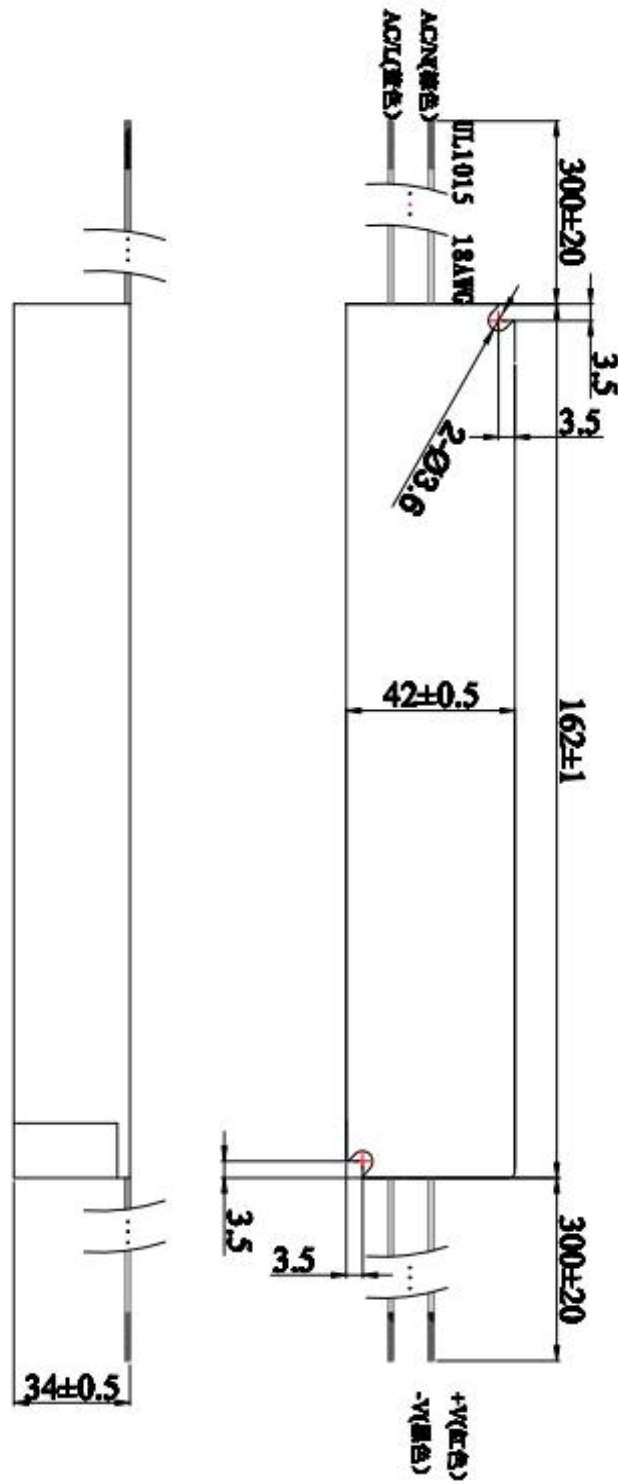


Label

● AC L (BROWN)		CV-60WS-12	● V+ (RED)
● AC N (BLUE)		INPUT: 100-240VAC 1.4A 50/60Hz	
		OUTPUT: +12V \equiv 5.0A	● V- (BLACK)
		IP67 MADE IN CHINA	



Drawing:



Pin No.	Assignment	Pin No.	Assignment
BROWN	AC/L	BLACK	DC output(-V)
BLUE	AC/N	RED	DC output(+V)