



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) :

Plastic LED driver

产品规格 (DESCRIPTION) :

CV-100WT 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.

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编号:



CV-100WT Series LED driver



◆ Features

- low cost, high reliability
- Protection: Over load, short circuit, Over voltage
- 100% pass full load aging test
- sealed plastic case, IP67

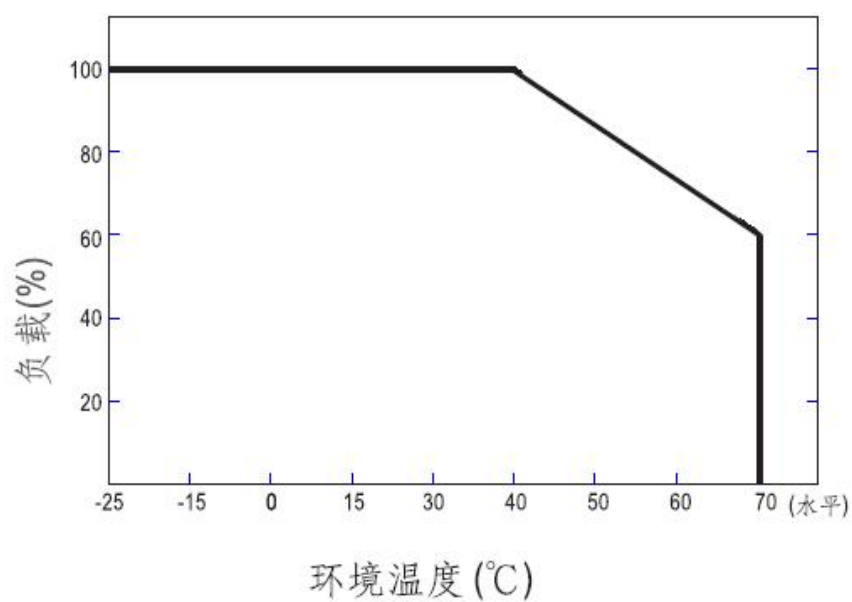
Electrical Specification

PN			CV-100WT-12	CV-100WT-15	CV-100WT-24	CV-100WT-36	CV-100WT-48
Output	Output voltage		12V	15V	24V	36V	48V
	Rated current		8.5A	6.6A	4.2A	2.8A	2.1A
	Current range		0~8.5A	0~6.6A	0~4.2A	0~2.8A	0~2.1A
	Rated Power		100W	99W	100W	100W	100W
	Ripple&Noice		300mVp-p	300mVp-p	300mVp-p	300mVp-p	300mVp-p
	Voltage ADJ range		10.8~13.2V	13.5~16.5V	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		500mS, 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				
	Efficieny (Typ)		≥87%	≥88%	≥89%	≥90%	≥90%
	AC current	100VAC	2.2A				
		240VAC	0.9A				
	Inrush current (Typ)		cold start max 65A/230VAC				
Protec tion	leak current		≤0.5mA/264VAC				
	Over load		protect range:120%~150% of rated current, shut-off, auto-recovery after re-start				
	Over voltage		protect range:110%~130% of rated volt; shut-off, auto-recovery after re-start				
Enviro nment	short circuit		cut-off output, recovers automatically after fault condition is removed				
	working temperature		-25℃~+70℃; refer to derating curve.				
	working humidity		20~90%RH				
	Storage temperature		-40℃~+80℃				
	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				
Safty &EMC&E MI	Safty standards		accroding to EN61347-1, EN61347-2-13 independent IP67				
	Withstand voltage		I/P-O/P: 3.0KVAC				
	Isolation resistance		I/P-O/P: 100MΩ/500VDC				
	EMC		accroding to:GB17625.1;EN55022, GB9254 ;EN61000-3-2, -3				
	Harmonic current		accroding to:GB17625.1;EN61000-3-2, -3 limited				
	EMI		accroding to:EN55024 ;EN61000-4-2, 3, 4, 5, 6, 8, 11				
Others	Life		38,000 hours				
	weight		0.6Kg/pc				
	size		190*52*37 (L*W*H)				
Rmarks	*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. *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						

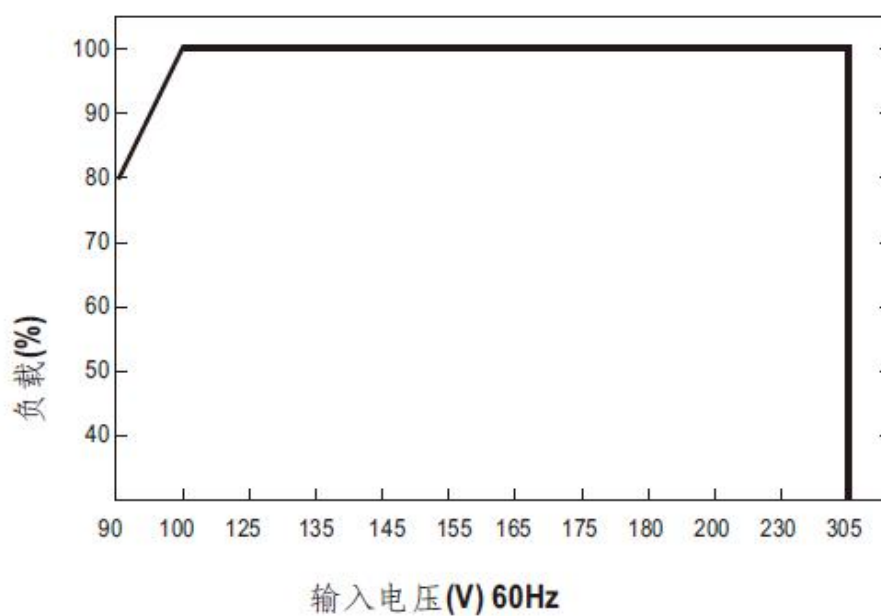


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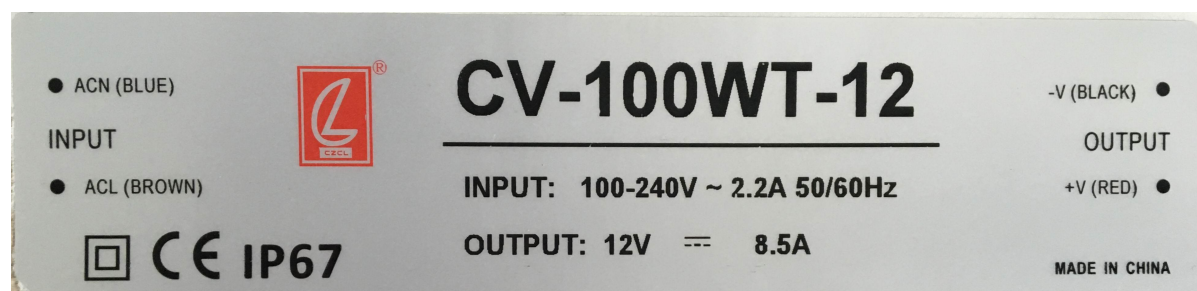
Load temperature drop curve

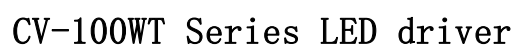


load current--Input voltage drop curve



Label



[illegible]

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