ACEPOWER-USA

C series-dimmable constant current LED driver

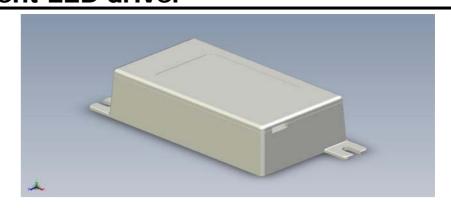
Features:

3 years warranty

90~126V model or 200~305Vac model available

Multiple dimming control option, including AC input phase control 0~10V control, TTL PWM input and integrated on board VR control options

Constant current output, instant start, light turn on less than 250mSec. High power factor, PF>0.9 with no inrush current, high efficiency up to 85% Protections: Short circuit / Overload / Over voltage/Over Temp. Protection Free air convection cooling suitable for dry / damp / wet locations



			SPECIF	ICATION					
	Voltage and Frequency RANGE Both 90~126Vac(CL model), or 200~277Vac(CH model) 47 ~ 63Hz input model available								
INPUT	AC CURRENT	0.4A at 115Vac input,0.2A at 230Vac input, at 24W load condition							
	POWER FACTOR	> 0.9 at full load output, 0.95 typical							
	INRUSH CURRENT(Typ.)	less than 1A at 115/230V input							
	LEAKAGE CURRENT	<1mA at 240VAC							
		B option Standard model without the dimming option							
	Dimming control options	P option models can operate with ELV type AC input phase control switch (note 3)							
		D option models can operate with 0~10V control input from the output side							
		E option models can operate with TTL digital PWM input control signal(h from the output side(active low)							
		N option models have internal integrated on chassis adjustable VR							
		CX24A-SY and CX24B-SY version CX24A-EY and CX24B-EY version							
MODEL		X=L for 120Vac, X=H for 240/277Vac model, Y=N for internal integrated on chassis adjustable VR,							
		Y=D for 0~10V control model, Y=E for TTL PWM control, Y=P for AC phase control model Y=B for base model without dimming option,							
	VOUT RANGE (VOLT)		dard output V o		[,] 31V	Exten	ded output V o	ltage range 15V	~ 42V
ОИТРИТ	PART NUMBER		· · · · · · · · · · · · · · · · · · ·					CX24A-EY500	
	CONSTANT CURRENT(mA)	1050	700	500	350	700	564	500	350
	MAX POWER (Watt)	24	21	15	10.5	24	23.7	21	14.7
	CURRENT setting ADJ. RANGE	factory preset, no user adjustment, other current level can be factory preset from 170mA to 1050mA the output current can be controlled by dimmer(see dimming control below)							
	CURRENT TOLERANCE	+/-5% maximum							
	SETUP, RISE TIME	250mS MAX							
	EFFICIENCY (Typ.)	80~85%							
PROTECTION	OVER CURRENT	CONSTANT CURRENT WITHIN RATED OUTPUT VOLTAGE RANGE							
	SHORT CIRCUIT	output shall shut down and automatic restart							
	OVER VOLTAGE	Output Voltage shall NOT exceed 150% of the max rated voltage.							
ENVIRONMENT	OTP(over temperature) WORKING TEMP.	internal over temperature protection circuit will lower the output current in case of over temperature condition nominal -20 to +50 C ambient at full load, linearly derate to 60% of output rating up to 80C							
	WORKING HUMIDITY	5% to 100%, non-condensing							
	STORAGE TEMP., HUMIDITY	-40 to 80 C, 5% to 95%RH							
	TEMP. COEFFICIENT	0.1% per degree C maximum							
	VIBRATION	Frequency 5 to 50 Hz, acceleration ±7.35 M/(S*S), direction X,Y and Z Axis							
SAFETY & EMC	SAFETY STANDARDS	UL pending FOR SPECUALTY POWER SUPPLY with class 2 output							
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25C / 70% RH							
	EMI CONDUCTION & RADIATION HARMONIC CURRENT	Meet FCC Part 15 Class B, CISPR22 Class B Compliance to EN61000-3-2 Class A; EN61000-3-3							
	EMS IMMUNITY	Compliance to EN61000-3-2 Class A ; EN61000-3-3 Compliance to EN61000-4-2,3,4,5,6,8,11.							
	Phase control dimming option	Output voltage PWM dutiy cycle calcluated by Microporcessor using the phase controlled AC input for dimming of the							
Dimming control	Y=P Model	LED. No extra control wire needed (ELV type phase control dimmer only)							
	0~10V control dimming option	Output voltage	PWM dutiy cyc	cle (at ~1KHz) o	ontrolled by th	ne 0-10V sink ty	pe controls din	nmer as specifie	ed in IEC 609
	Y=D Model	Annex E(note 3, 4) or a external 100K variable resister							
	TTL PWM control Y=E Model	Output voltage PWM dutiy cycle controlled by external TTL PWM digital signal (100Hz~ 5KHz). When the input signal is active high the output is inhibited.							
	On board VR control option Y=N Model	Output voltage PWM dutiy cycle (at ~1KHz) controlled by internal integrated on chassis adjustable VR							
OTHERS	MTBF	>100K hours, MIL-HDBK217E at 25 degrees C ambient.							
NOTE	DIMENSION	115mm X51mm	n X 31mm max						
	 All parameters NOT specially me Ripple & noise are measured at For 0~10V PWM control dimming The external control signal source 	20MHz of bandw	ridth by using a	12" twisted pai	-wire terminate	ed with a 0.1uf	& 47uf parallel	·	10mA for
	multiple power supply connected 4. In IEC standard for current sink is 10 Volts (or above). As the conti minimum light level. Any voltage I	together. A single controls - Standa ol voltage is redu ess than 1 volt is	e module requir rd 60929 Annex iced by the cont defined as minii	es a minimum s E. it requires th rol, the light led mum. Some dri	ink current of 2 nat the ballast (divel is reduced. A vers' minimum i	50uA or driver) provio at a control volt is off, while oth	des full light ou age of 1 volt, th er drivers' mini	tput when the one of the contract the contract when the contract the lower mum is the lower the	control volta r) provides it est light leve
	of the driver. It is important to un					at uo not go to	on at minimum	i, a separate rel	ay or switch

device is required. Our SDVN min dimming level can be factory set to what customer required