



# LITEMAX LI1215A01

## Inverter

(1st Edition 8/7/2007 )

All information is subject to change without notice.

Approved by	Checked by	Prepared by
David	Sharline	Eric

**LITEMAX Electronics Inc.**  
8F-2, No.133, Lane 235, Bau-chiau Rd.,  
Shin-dian City, Taipei County, Taiwan R.O.C.  
Tel : 886-2-8919-1858  
Fax: 886-2-8919-1300  
Homepage: <http://www.litemax.com.tw>

## General

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The DC To AC inverter is designed as a low noise high frequency high efficiency as a low profile and light weight switching power supply.

## Feature

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Applicable TO 12 Tube  
Constant Current output  
Possesses open load protection  
No load –output auto stop  
Meet TCO 99

## LCD Application

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			Remark			
LCD SIZE	Lcm Model	Brand				
15"						

JP: Lamp Current & Frequency Adjust(JP 點為燈管電流與頻率微調用)

## Operating Conditions

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Item	Symbol	Conditions	MIN	MAX	Unit	Remark
Input Voltage	Vin		10	14-	V	
Operating Temperature	Top	Ha=90%RH	0	65	°C	
Storage Temperature	Tstg	Ha=95%RH	-10	80	°C	
Operating Humidity	Hop	Ta=0~55 °C	20	90	%RH	
Storage Humidity	Hstg	Ta=20~80 °C	-	95	%RH	

## Operating Characteristics

Item	Symbol	Conditions	MIN.	TYP.	MAX.	Unit	Remark
Input Voltage	Vin	GND=0V	11	12	14	V	
Input Current (Low Brightness)	IinL	Vin=TYP. $\pm 1\%$ ON VR=MIN (Iout=MIN)		100		mA	4.5V
Input Current (High Brightness)	IinH	Vin=TYP. $\pm 1\%$ ON VR=MAX (Iout=MAX)	3300	3500	3750	mA	CV=0~0.1V
Lamp Current (Low Brightness)	IoutL	Vin=TYP. $\pm 1\%$ ON VR=MIN (Iout=MIN)				mA rms	
Lamp Current (High Brightness)	IoutH	Vin=TYP. $\pm 1\%$ ON VR=MAX (Iout=MAX)	5.0	5.5	6.0	mA rms	CV=0~0.1V 1620nit
Lamp Frequency			40	42	46	KHZ	
Dimming		Tube Current	2%	-	100%-		
Dimming Frequency			365	380	395	HZ	
Brightness Control		Connection of Voltage	4.5	-	0	V	
Output Voltage		CCFT Current =5mA		630		V	

## Connector Socket

### (CN7) Input Connector

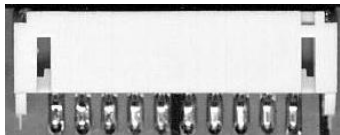
PIN No	Symbol	Description
1~3	Vin	DC+12V
4~6	GND	GND (0V)
7	Brightness	Brightness Control
8	Control	ON/OFF control ON=+5V OFF=0V
9	NC	
10	NC	

### (CN1~CN6) Output Connector

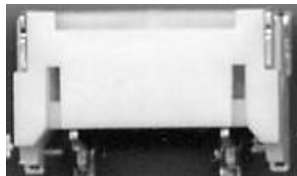
PIN NO	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp High Voltage

### Connector Model No & Brand

Connector No.	Connector Parts No	Brand
CN1~6	SM02(8.0)	JST
CN8	NC	
CN7	S10B-PH-SM3-TB2	JST



S10B-PH-SM3  
(pin1)



SM02 (8.0)  
(pin1)

## Mechanical Characteristics

Dimension: 205mm\*80mm\*10mm

Weight: PCB Dimension

