



INNOVATION PROFESSION EXECUTION

RoHS  
Compliant

## Splendi **Tech** 6 CCFLs Inverter

**IN6-QF343120I**

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## Introduction

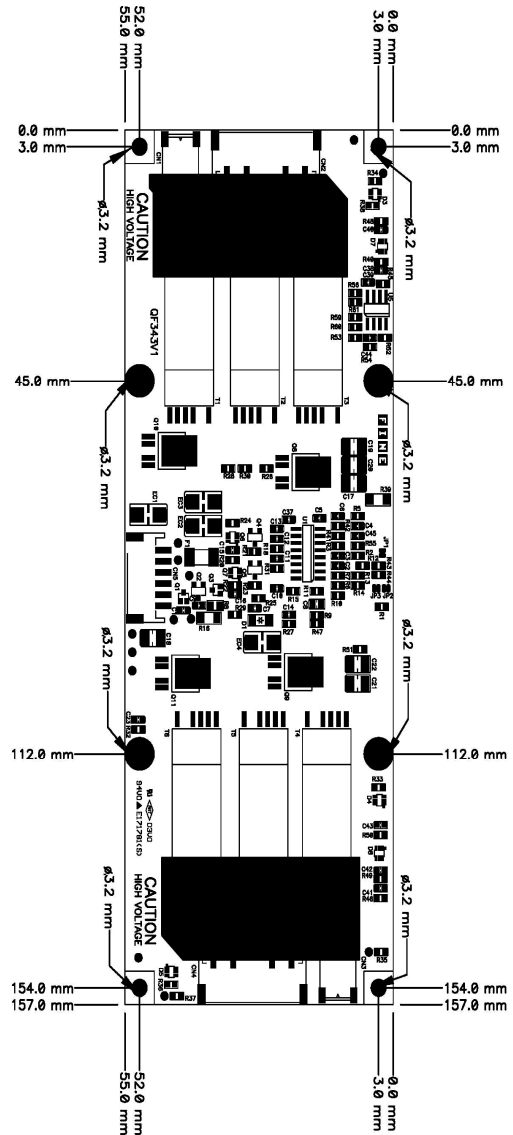
The Splendi IN6-QF343120I DC To AC inverter is designed with 6 ccfls which is able to drive 6-tube backlight. With the advantages of low noise and high frequency, and as a low profile and light weight switching power supply, it's compatible to the LCD panels of AUO, CMO, Kyocera, Samsung, Sharp, NEC, Mitsubishi and LG...etc.

## Features

- Applicable to 6 tubes backlight
- Constant current output
- Possesses open load protection when lamp is open
- No load-output auto stop
- Meet TCO 99

Dimension (L x W x H):  
157mm x 55mm x 7.5mm

Weight: Max. 62g



## Operating Conditions

Item	Symbol	Condition	Min.	Max.	Unit
Input Voltage	Vin		10		V
Operating Temperature	Top	Ha=90%	-20	85	°C
Storage Temperature	Tstg	Ha=95%	-30	105	°C
Operating Humidity	Hop	Ta=0 ~ 55 °C	20	90	%RH
Storage Humidity	Hstg	Ta=20 ~ 80 °C	-	95	%RH

## Operating Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Input Voltage	Vin	GND=0V	16.8	18	19.2	V
Input Current (Low Brightness)	IinL	Vin=Typ. ±1% VR=Min. (Iout=Min.)	-	-	-	mA
Input Current (High Brightness)	IinH	Vin=Typ. ±1% VR=Max. (Iout=Max.)	1360	1610	1860	mA CV=0V
Lamp Current (Low Brightness)	IoutL	Vin=Typ. ±1% VR=Min. (Iout=Min.)	-	-	-	mA rms
Lamp Current (High Brightness)	IoutH	Vin=Typ. ±1% VR=Max. (Iout=Max.)	5.0	5.5	6.0	mA / rms CV=0V
Working Frequency			57.5	60	62.5	KHZ
Dimming		Tube Current	>2.5:1			
Brightness Control		Connection of Voltage	-	0.0	-	V
Output Voltage		CCFT Current= 5 mA	-	830	-	V

## Connector Socket

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### (CN5) Input Connector

Pin No.	Symbol	Description
1	Vin	DC+18V
2	Vin	DC+18V
3	Control	ON/OFF control ON=+3~5V OFF=0~0.8V
4	Brightness	Brightness Control
5	GND	Ground
6	GND	Ground

### (CN1, 3) Output Connector

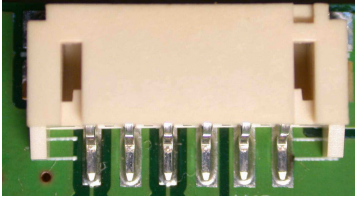
Pin No.	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp Low Voltage

### (CN2, 4) Output Connector

Pin No.	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp High Voltage
3	Output	Lamp Low Voltage
4	Output	Lamp Low Voltage

### Connector Model No. & Brand

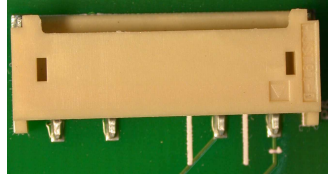
Connector No.	Symbol	Description
CN1,CN3	SM02B	JST or compatible
CN2,CN4	SM04(9-E2)	JST or compatible
CN5	S6B-PH-SM4	JST or compatible



S6B-PH-SM4 (pin1)



SM02B(pin1)



SM04(9-E2) (pin1)