

**PRODUCT DATASHEET**

**LED DRIVER 24V - 300W**  
**DALI 2.0 / DT6 Dimmable**

**PRODUCT DESCRIPTION:**

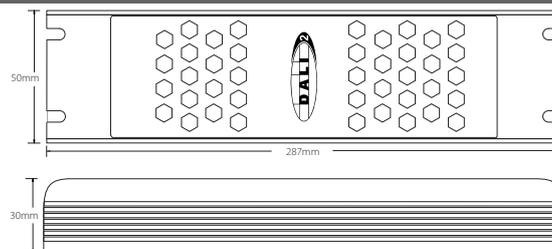
- IP20 design for indoor or outdoor installations
- Protections: Short circuit/Overload/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Optional dimming method: DALI / DT6
- Suitable for LED lighting
- Products passed CE, RoHS certification
- 3 years warranty.



**PICTURES:**



**PRODUCT SIZE:**



**SPECIFICATIONS:**

<b>OUTPUT</b>	
DC Voltage	24V±5%
Rated Current	12.5A
Current Range	0 - 12.5A
Rated Power	300W
Ripple & Noise (max)	<450mVp-p
Load Stability	±5%
Voltage Tolerance	±0.5%
Setup, Rise Time	200ms, 50ms
Hold up Time(Typ.)	20ms

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**SPECIFICATIONS:**
**INPUT**

<b>Voltage Range</b>	170-260VAC
<b>Frequency Range</b>	50-60Hz
<b>AC Current (Typ.)</b>	2.6A/110VAC 1.6A/260VAC
<b>Inrush Current</b>	Cold start $\leq 50A$
<b>Incoming Line Stability</b>	$\pm 0.5\%$
<b>Power Factor (Typ.)</b>	PF>0.5
<b>Efficiency (Typ.)</b>	>88%
<b>Leakage Current</b>	$\leq 5mA/260VAC$

**PROTECTION**

<b>Short Circuit</b>	The power supply can resume normal operation when the short circuit is removed during power supply.
<b>Overload</b>	105%-200% type: hiccup protection reset: automatic recovery
<b>Over Current</b>	After the over current fault is removed, the power supply will automatically resume normal operation.
<b>Over Voltage</b>	When the output voltage exceeds the rated voltage, the power supply will be protected and normal operation can be resumed after the fault is removed.

**ENVIROMENT**

<b>Working temp.</b>	-10 ~ +50°C (Refer to "derating curve")
<b>Working Humidity</b>	20%~90%RH non-condensing
<b>Storage temp., humidity</b>	-20°C~+85°C, 10%~95%RH
<b>Temp. Coefficient</b>	$\pm 0.03\% / ^\circ C$ (0-5°C)
<b>Vibration</b>	10-500Hz, 2G 10min. / 1 cycle, 60 min. each axes

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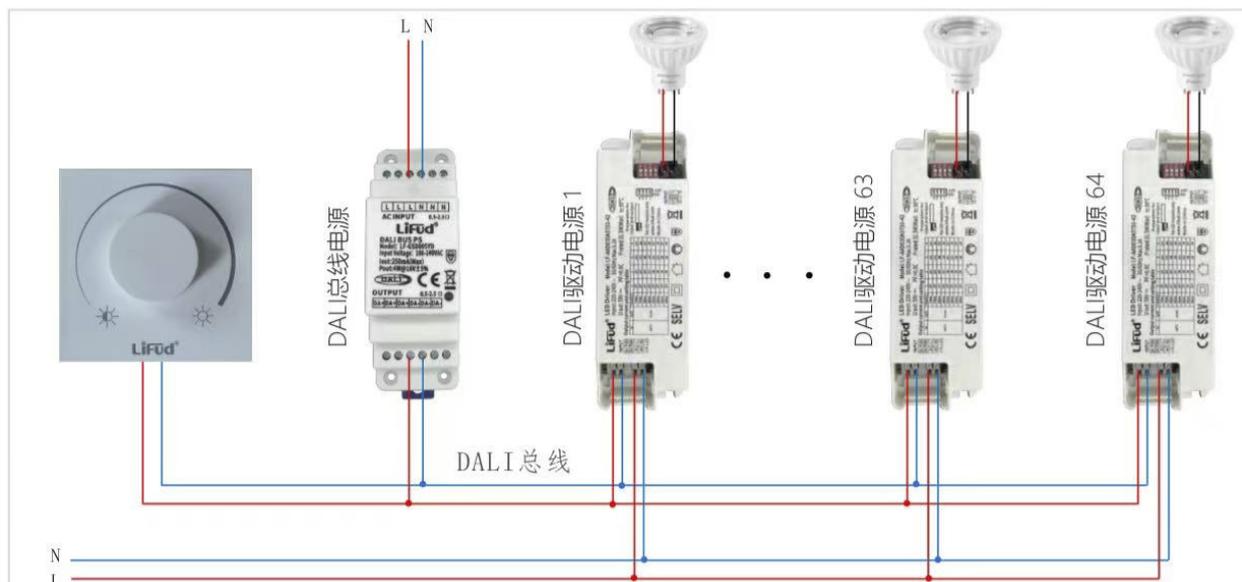
**SPECIFICATIONS:**

**SAFETY, EMC, and Other information**

<b>Aging Test</b>	Input voltage : 220V 50HZ Rated output current 25°C, Burn-in 2h
<b>Withstand Voltage</b>	Input and output: 3KVAC 5mA 3s input and shell; 1.5KVAC 5mA 3s
<b>Isolating Resistance</b>	Between input and output, input and shell: 500VDC / 100MΩ
<b>EMC Emission</b>	Compliance to EN55032(CISPR32)Class B.EN61000-3-2,-3, EAC TP TC 020
<b>EMC Immunity</b>	Compliance to EN61000-4-2.3.4.5.6.8.11.EN55024,light industry level, criteria A,EAC TP TC 020
<b>Safety Standards</b>	UL62368-1,TUV EN62368-1.EAC TP TC004 approved
<b>Dimension</b>	287 x 50 x 30mm
<b>IP Rating</b>	IP20
<b>Warranty</b>	3 Years

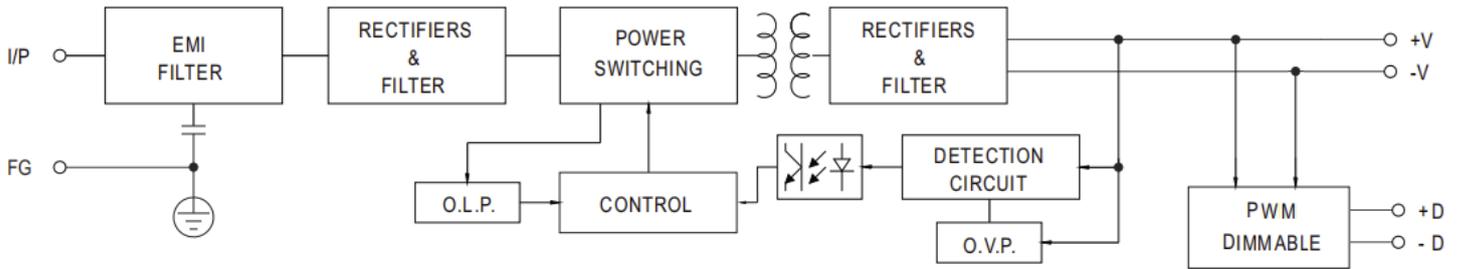
**DIMMING INSTRUCTIONS & CONNECTION DIAGRAM:**

- Adjustable photo electron driver; one dimmer can drive multiple power supplies; and the numbers are decided by the dimmer maximum load capacity. The positive and negative of dimmer should be connected to positive and negative of the power supply's dimming. Terminals, Regulating the dimmer will produce a kind of DALI/DT6 signal to power supply, then changing the luminous flux of the lamp.
- Regulations Dimming operation Tandem triac dimmer before input terminals AC,then adjust the output constant current value.

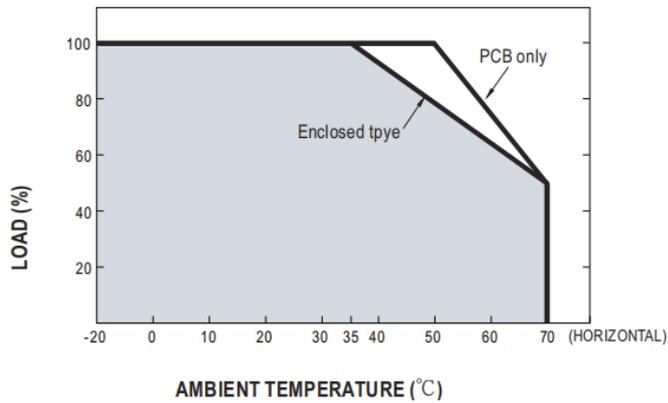


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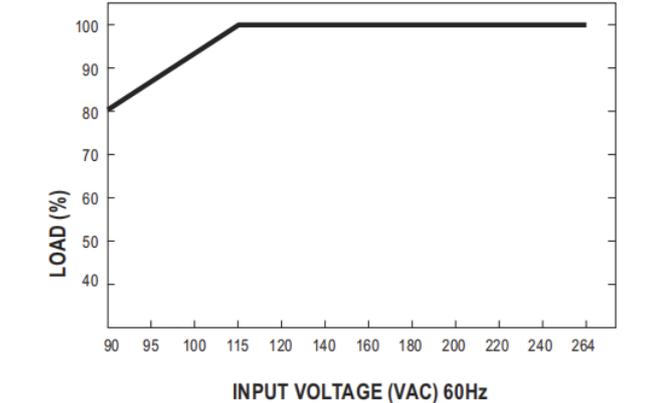
#### BLOCK DIAGRAM:



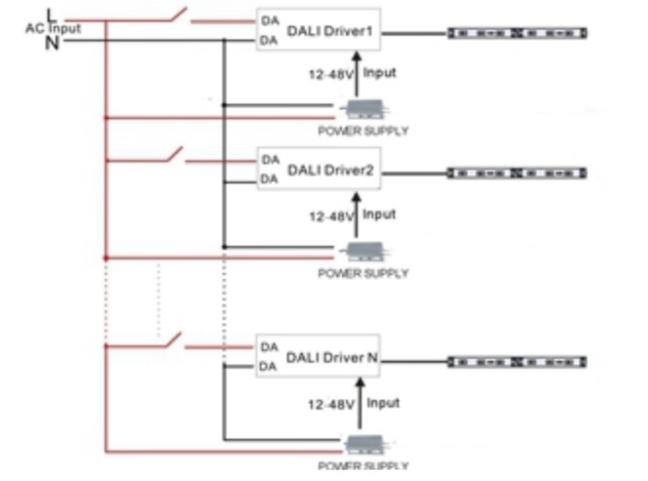
#### OUTPUT DERATING:



#### OUTPUT DERATING VS INPUT VOLTAGE:



#### MECHANICAL SPECIFICATIONS:



#### DERATING CURVE:

