

# ANPXX-42P1-D

Dali LED Power Supply



## Features and Applications:

- Class II DC Output
- Highly Efficient Switching-Mode Technology
- Highly PF
- Built for Indoor Dry Applications
- Built-in EMI Filter for Low Noise
- Over-Current and Over-Voltage Protection
- Dimming Control: DALI

All specifications are typical at nominal input, full load, at 25 °C unless otherwise stated.

### Electrical Specs

#### INPUT

Input Voltage Range	90 - 264Vac
Rating Input Voltage Range	100 - 240Vac
Frequency	47 - 63Hz
Input Current	Max. 1.0A @ 120Vac / 60Hz, full load
Inrush Current	80A @ 230Vac input/ 50Hz, full load
Efficiency	85% typical @ full load, input 230Vac
Power Factor	≥0.9 at full load 264Vac/50Hz
Leakage Current	0.5mA max. @230Vac

#### OUTPUT

Out Current	See Table1
Short Circuit Protection	Shutdown
Ripple and Noise	<10% of Voutput
OCP protection	<130% Iout
Over Temperature Protection	85°C max. for case temperature
Over Voltage Protection	< 130% nominal voltage
Start-up Time	< 2 Sec.
Dimming Control:	DALI control, Iout=0%-100% adjustable

### Safety Certifications

CCC GB19510,GB17743,GB17625



CE EN55015,EN61000



### General

Isolation Voltage	3KV AC, AC-DC
Surge	EN61000-4-5, level3
Weight	300g max.
Warranty Info	5 years
MTBF	100,000 Hours at 25°C

### Environmental

Operating Temp	-20°C to +60°C full load
Derating Temp	+70°C at 50% load
Storage Temp	-40°C to +85°C
Relative Humidity	10% to 95% non-condensing
Cooling	Free air convection
MTBF	100,000 Hrs at 25°C
Ingress Protection:	IP20
RoHS	Compliant



### EMC

Conducted Emissions	EN55015, FCC part 15 level B
Radiated Emissions	EN55015, FCC part 15 level B

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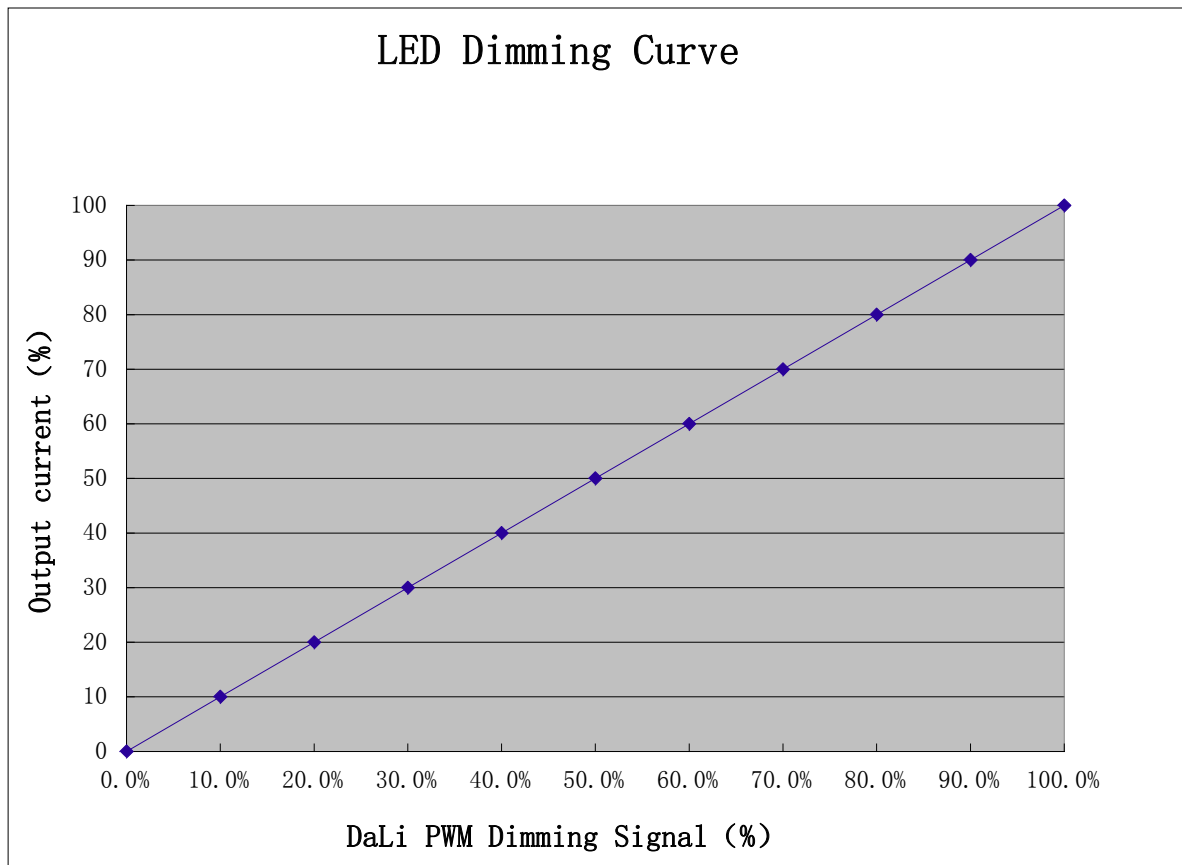
**Table1: Model Output Specifications**

Model	Output Voltage (Max)	Output Voltage Range(V)	# of Channels	Load current (mA)	Max Output Current Range(A)	Max. Output Power
ANP15-42P1-D	42V	15-42	2	350	+/-5%	15W
ANP30-42P1-D	42V	15-42	2	700	+/-5%	30W
ANP50-42P1-D	42V	15-42	2	1200	+/-5%	50W

**Note:**

1.The CH1 output current is always opposite with the CH2.

### Dimming Curve Graph

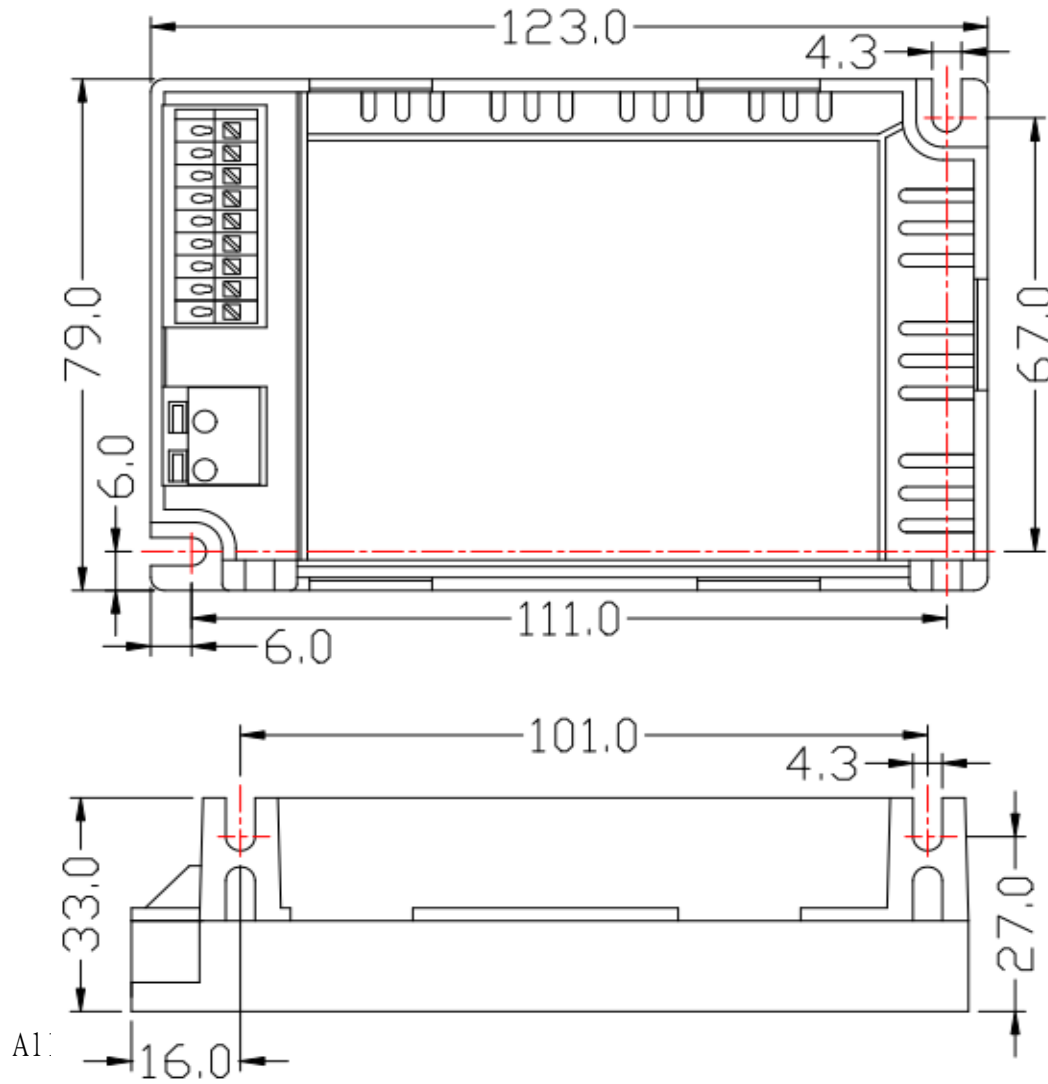


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## Mechanical Information



NOTE:  
1.UNIT:MM  
2.ALL TOLERANCE:  $\pm 0.5$

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## Connection Diagram

