

ANP61-54P-264-1100-DA

Class II LED Power Supply



Features and Applications:

- Class 2 DC Output
- Active PFC (Power Factor Corrected)
- Built for Indoor Dry Applications
- Built-in EMI Filter for FCC B compliance
- Short and Over-Temperature Protection
- Dimming Control: 0-10V(10%-100%) or DALI(0%-100%)
- Comply with DALI standards (IEC62386)

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

Electrical Specs

INPUT

Input Voltage Range	198 - 264Vac
Rating Input Voltage Range	220 - 240Vac
DC	280 - 370Vdc
Frequency	47 - 63Hz
Input Current	Max. 0.6A @ 230Vac / 50Hz, full load
Inrush Current	0.09 A2S @ 230Vac / 50Hz , full load
Efficiency	86% typical @ 230Vac, full load
Power Factor	≥0.97 @ 230Vac, full load
THD	<15% @ 230Vac, full load
Leakage Current	0.5mA max.


OUTPUT

Output Voltage	See Table1
Max Output Current	See Table1
Line Regulation	<5%
Load Regulation	<5%
Output Power	60W Max.
Short Circuit Protection	Auto Recovery
OCP protection	<110% Iout and Auto Recovery
Start-up Time	< 1 Sec
Option	
Dimming Control:	DALI or 1-10V
Max. case Temp	95°C +/- 5°C

General

Isolation Voltage	3.0KV AC, AC-DC
Weight	225 g
MTBF	100,000 Hours at 25°C
Size	290*30*21 mm

Environmental

Operating Temp	-20°C to +50°C full 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 

Safety Certifications(In process)

ENEC EN61347,EN62384



CE EN55015,EN61547



EMC & Surge

Conducted Emissions	EN55015, FCC part 15 level B
Radiated Emissions	EN55015, FCC part 15 level B
Surge Protection	EN61000-4-5, level 3 2KV L/N to PE; 1KV L-N

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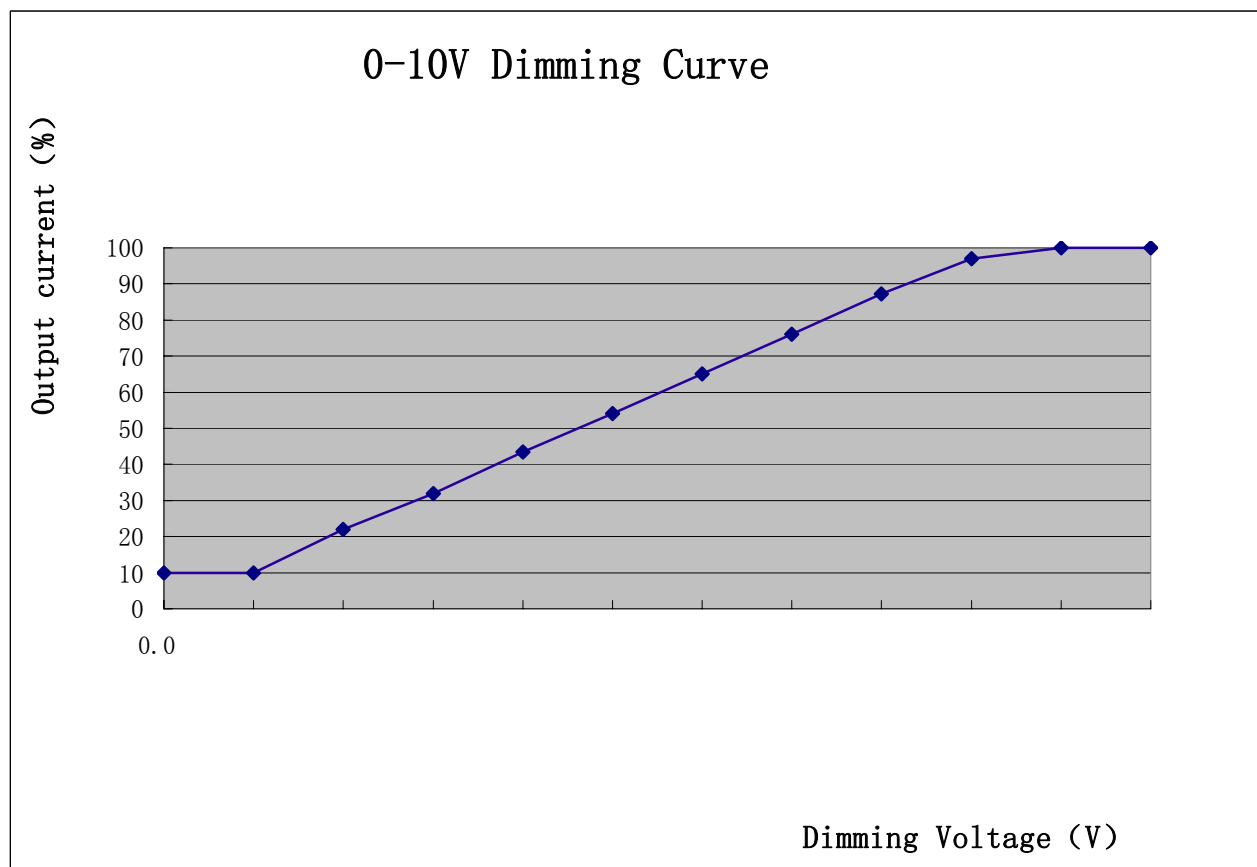
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Table1: ANP61-XXP Model Output Specifications

Model	Output Voltage (Max)	Output Voltage Range(V)	# of Channels	Max Load current (mA)	Max Output Current Range(A)	Max. Output Power
ANP61-54P-264-1100-DA	54V	30-54	1	1100	+/-5%	60W

1-10V Dimming Curve Graph



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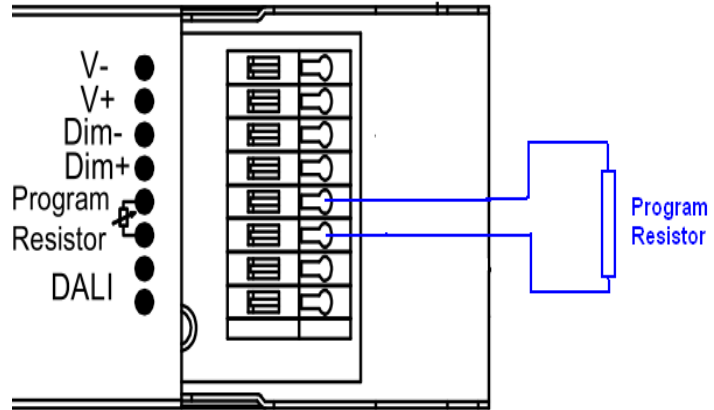
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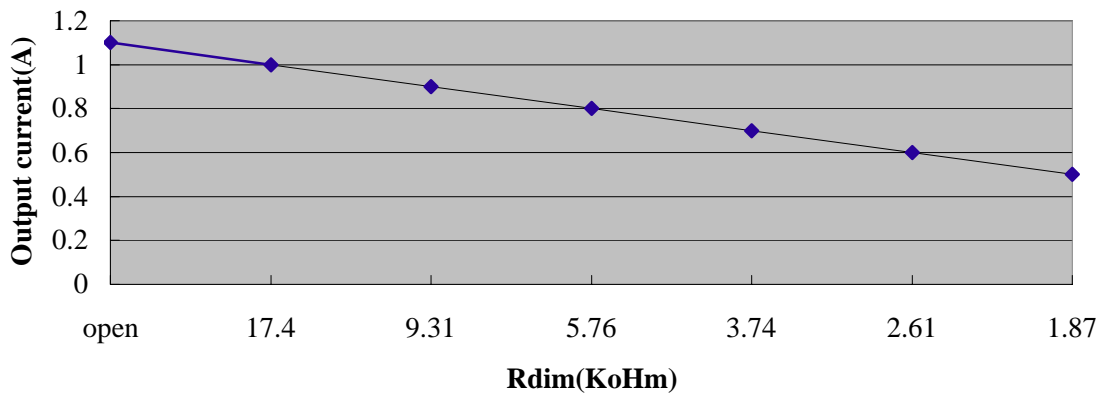


Program Resistor Vs Output Current

Iout(A)	Program Resistor(KOHM)
1.1	open
1	17.4
0.9	9.31
0.8	5.76
0.7	3.74
0.6	2.61
0.5	1.87



Program Resistor Vs Iout Curve



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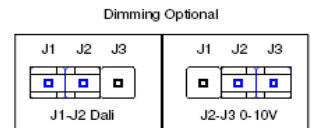
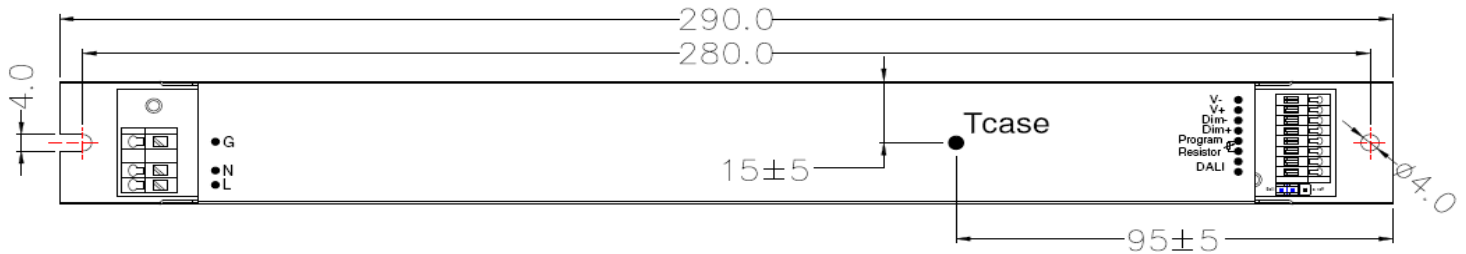
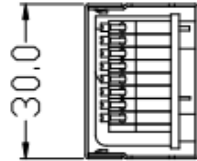
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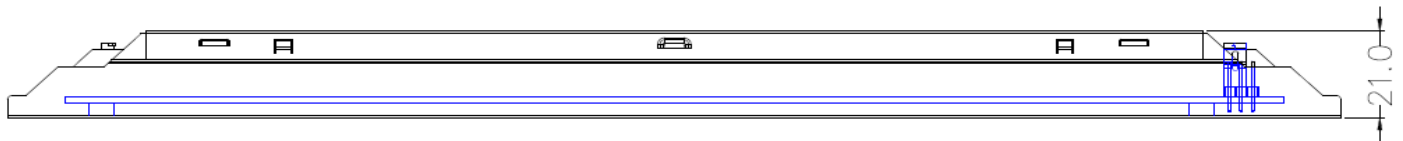
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Mechanical Information



SCALE 3:1



Tcase:Max.Case Temperature.(case temperature measured point)

Other All Tolerance:±0.5

UNIT:mm

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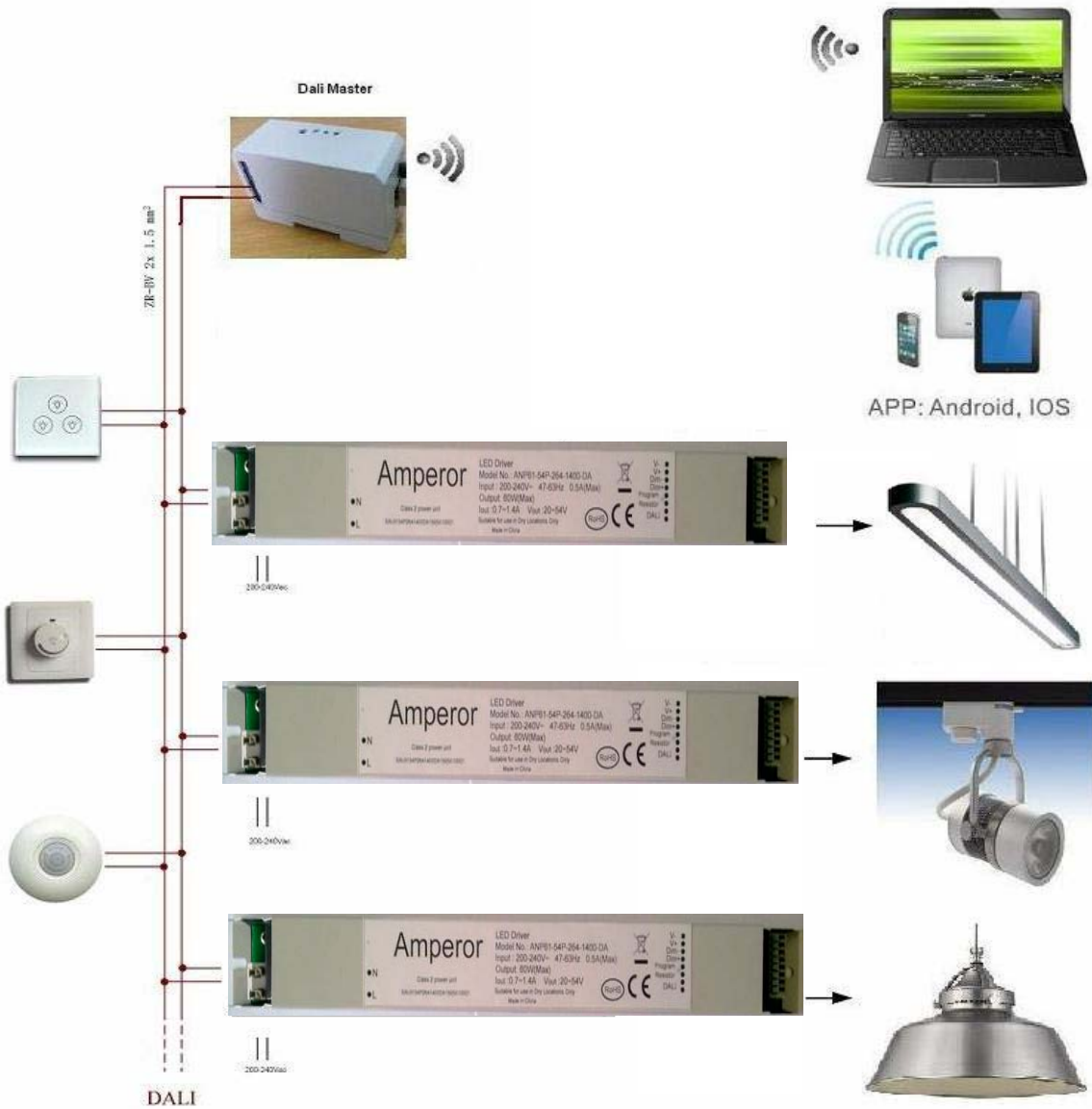
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Connection Diagram



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