



ETA-USA

The Power Professionals

AOLL1-60

60W Exterior LED Driver



FEATURES:

Universal AC input 90~264 VAC
Built in active PFC
IP66 or IP67 for damp locations designed for outdoor use
Wide Temp -40 ~ +70°C range
Adjustable output voltage and current
UL 8750 safety (Pending)

Warranty: 4 years

Output voltage and constant current level can be adjusted through potential meter.
Constant current level adjustable through output cable with 1~10Vdc.

CE cAL Pending RoHS

	MODEL/CHANNEL	Unit	AOLL1-240-12 AD	AOLL1-240-24 AD	AOLL1-240-36 AD	AOLL1-240-48 AD
OUTPUT	Normal Voltage	[V]	12	24	36	48
	Setting Voltage Range	[V]	11.8 ~ 12.1	23.7 ~ 24.3	35.6 ~ 36.4	47.5 ~ 48.5
	Voltage ADJ. Range *note1	[V]	10.8 ~ 13.5	22.0 ~ 27.0	33.0 ~ 40.0	43.0 ~ 53.0
	Normal Current	[A]	6.4	4	2.65	2
	Current ADJ. Range *note1	[A]	4.16 ~ 6.4	2.6 ~ 4	1.72 ~ 2.65	1.3 ~ 2
	Line Regulations	[mV]	120	120	180	240
	Load Regulations	[mV]	120	120	180	240
	Temperature Drift	[mV]	180	360	540	720
	Ripple Max.	[mV]	120	120	150	150
	Ripple & Noise Max 1.	[mV]	150	150	250	250
	Ripple & Noise Max 2. *note2	[mV]	400	400	600	600
	Turn-on Time Typ.	[ms]	800 (AC IN 100V, Io=100%)			
	Hold-up Time Typ.	[ms]	17 (AC IN 100V, Io=100%)			
INPUT	Typ. Voltage, Frequency	[V]	AC100 - 240(AC 90-264, 50/60Hz(47 - 63) or DC127-370V (Universal Input))			
	Current Typ. 110V	[A]	1.4	1.4	1.4	1.4
	220V		0.7	0.7	0.7	0.7
	Efficiency Typ. 110V	[%]	84	85	85	85
	220V		86	88	88	88
	Power factor Typ. 110V	-	0.97	0.97	0.97	0.97
	220V		0.93	0.93	0.93	0.93
Function	Inrush Current Typ. 110V	[A]	25 (Ta=25°C, Cold Start)			
	220V		45 (Ta=25°C, Cold Start)			
	Leakage Current Max. 110V	[mA]	3.5			
	220V		3.5			
	Over Voltage Protection	[V]	110% ~ 160% of rating			
Electrical	Over Current Protection[Blank,D]	[A]	95 ~ 110 %	95 ~ 110 %	95 ~ 110 %	95 ~ 110 %
	Over Current Protection[A,AD]	[A]	60 ~ 100 %	60 ~ 100 %	60 ~ 100 %	60 ~ 100 %
	Short Circuit	-	Hiccup mode, recovers automatically after fault condition is removed			
	Cooling / O.T.P	-	Convection/Optional			
Environment	(1) Input - Output	-	AC 3.0KV 1min, cut-off: 20mA / DC 500V 100MΩ			
	(2) Input - F.G	-	AC 2.0KV 1min, cut-off: 20mA / DC 500V 100MΩ			
	(3) Output - F.G	-	AC 0.5KV 1min, cut-off:100mA / DC 500V 100MΩ			
Dimension	Operating temp. & Humidity	-	-40 ~ +70°C(Required Derating), 20 ~ 90% RH (Non Condensing)			
	Storage temp. & Humidity	-	-40 ~ +75°C, 20 ~ 90% RH (Non Condensing)			
	Vibration	-	10~55Hz at 1G 3minutes period, 30minutes along X,Y and Z axis			
Safety	Size(WxHxD) / Weight	mm/g	68 x 39 x 189 / 824			
	-	-	Built to meet UL8750			
	Emission	-	Built to meet EN55015			

*note1 : Type A,AD only

*note2 : Frequency 50/60Hz



ETA-USA

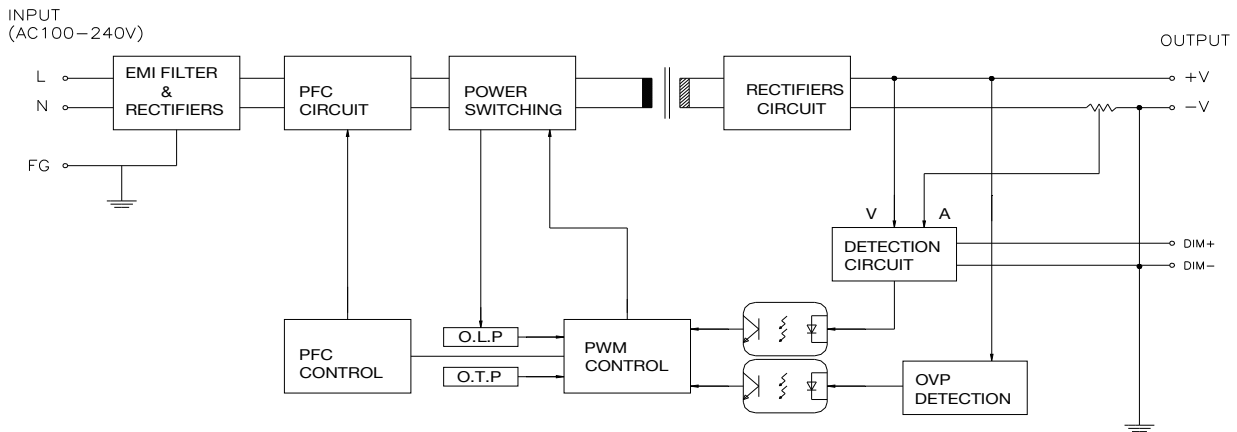
16170 Vineyard Blvd. Suite 180 Morgan Hill, CA 95037 <http://www.eta-usa.com>
Toll-free (US only): 800-ETA-POWR (800-382-7697) Telephone: 408 778-2793 FAX: 408-779-2753



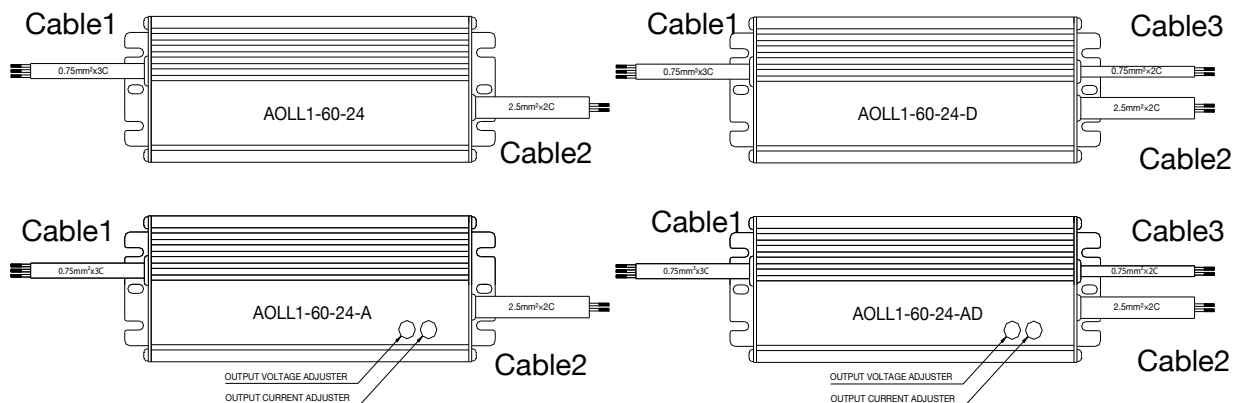
AOLL1-60

60W Exterior LED Driver

1. BLOCK DIAGRAM



2. Terminal Connection



	Cable Type	Wire Color	Terminal
Cable1	60227 0.75mm ² X 3C	BROWN	AC (L)
		SKY BLUE	AC (N)
		YELLOW/GREEN	FG
Cable2	60227 2.5mm ² X 2C	BROWN	Output +
		SKY BLUE	Output -
Cable3	60227 0.75mm ² X 2C	BROWN	Dimming +
		SKY BLUE	Dimming -

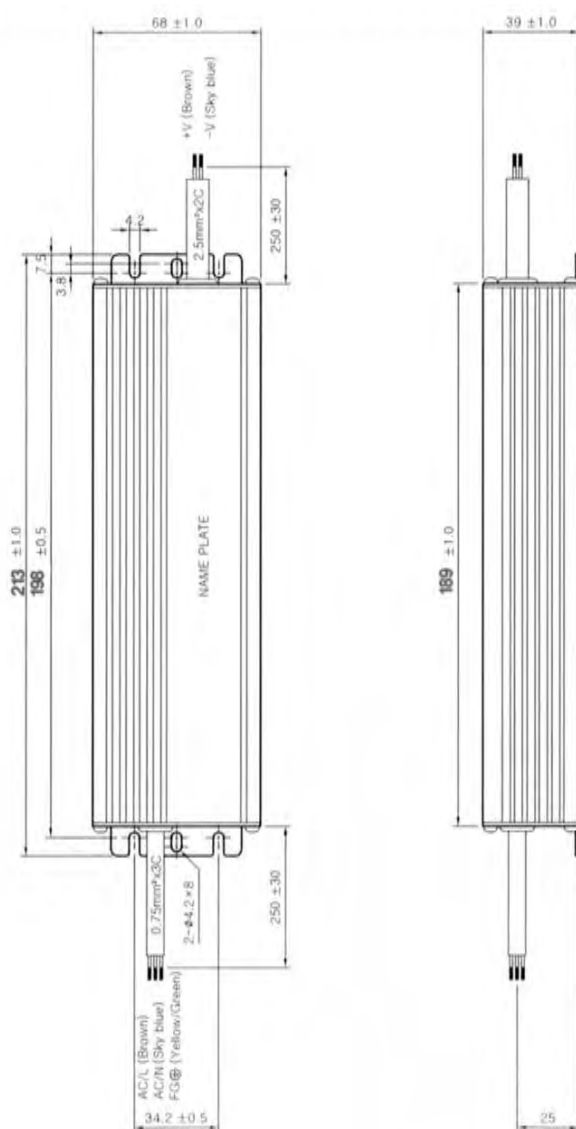
* Size and Type for cable subject to change

* Cable3 applies to D and AD type only





Dimensions





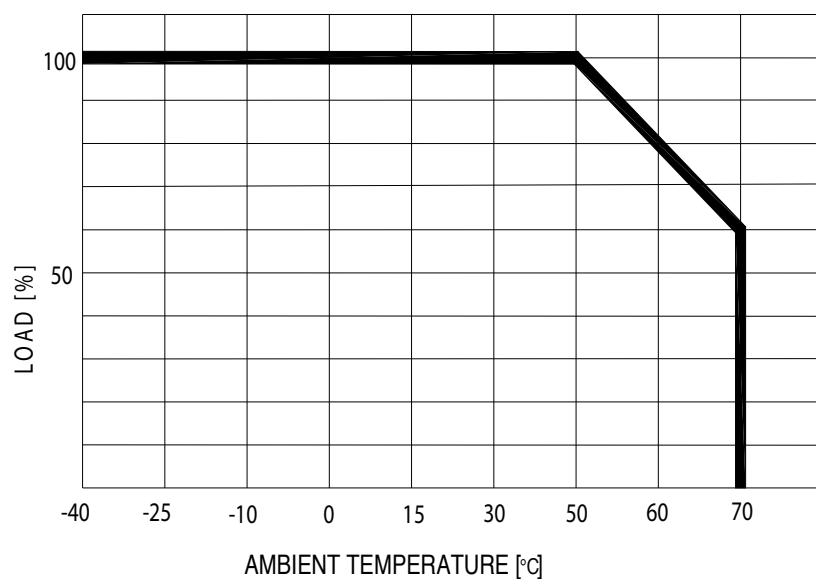
ETA-USA
The Power Professionals

AOLL1-60

60W Exterior LED Driver

Ambient Temperature Derating Curve

Output derating curve as follow when input voltage range is AC100~264V.



ETA-USA

16170 Vineyard Blvd. Suite 180 Morgan Hill, CA 95037 <http://www.eta-usa.com>
Toll-free (US only): 800-ETA-POWR (800-382-7697) Telephone: 408 778-2793 FAX: 408-779-2753

©2014 ETA-USA All Rights Reserved

ETA-USA reserves the right to make changes to the products and specifications without prior notice. Please contact the factory for latest information.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ETA-USA:](#)

[AOLL1-60-36](#) [AOLL1-60-48](#) [AOLL1-60-24](#) [AOLL1-60-12](#) [AOLL1-60-36AD](#) [AOLL1-60-24AD](#) [AOLL1-60-12AD](#)
[AOLL1-60-48AD](#)