

AAJ100

Constant Current Metal Casing LED Power Supply (Non-isolated)



Product Features:

- Bipolar Flicker-free Non-isolated Design
- Surge: DM(L/N):6KV,CM (L/N-PE) :6KV
- IP67
- Warranty: 5Years



Models

Model Number	Output Current	Input Voltage	Output Voltage	Output Power	Efficiency	Power Factor
AAJ100-C500-X	300-500mA	90-305V	180-260V	100W	95.0%	0.95

Note:
1.The '-X' Indicates with dimming function and 12V auxiliary output
2.If you have other parameter requirements, you can consult the corresponding sales staff

Product Datasheet

Input Specifications

Parameter	Min.	Typ.	Max.	Notes
Input AC Voltage	90Vac	-	305Vac	
Input Frequency	47 Hz	50/60Hz	63 Hz	
Input AC Current	-	-	1.0A	@120Vac, Full Load
PF	-	0.95	-	@230Vac, Full Load
THD	-	10%	-	@230Vac, Full Load

Output Specifications

Parameter	Min.	Typ.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	@Full Load
Output Ripple Current	-	5%	10%	@100Hz
No Load Output Voltage	-	-	315V	
Turn-on Delay Time	-	-	500ms	@230Vac Full Load

Dimming Specifications

Parameter	Min.	Typ.	Max.	Notes
Recommended Dimming Input	0 V	-	10 V	Default 0-10V dimming mode.
Dim off Voltage	0.6V	0.8V	1.0V	N/A
Dim on Voltage	0.7V	0.95V	1.2V	N/A

Product Datasheet

General Specifications

Parameter	Min.	Typ.	Max.	Notes
Standby Power	-	0.5W	-	N/A
Lifetime	-	50,000 Hours	-	Measured at 230Vac input, 100%load and 85°C case temperature; See lifetime vs. Tc urve for the details
Tc	-	-	+90°C	
Operating Temperature	-40°C	-	+50°C	
Storage Temperature	-40°C	-	+90°C	@Humidity: 5%RH to 95%RH
Dimensions	-	146.5*61*35.5 mm	-	
Net Weight	-	600g	-	

Safety&EMC Compliance

Safety	GB19510.1,GB19510.14; IEC61347-1, IEC61347-2-13; EN61347-1,EN61347-2-13,EN62384
EMC	GB/T17743,GB17625. 1; EN55015,EN61000-3-2, EN61000-3-3,EN61547; EN61000-4-5
ErP	Erp2.0 EU 2019/2020
Surge	DM(L/N):6KV,CM (L/N-PE) :6KV
Withstanding Voltage	-
Insulation Resistance	I/P-O/P:>100MΩ@500Vdc
RoHS	RoHS(2011/65/EU) (EU)2015/863

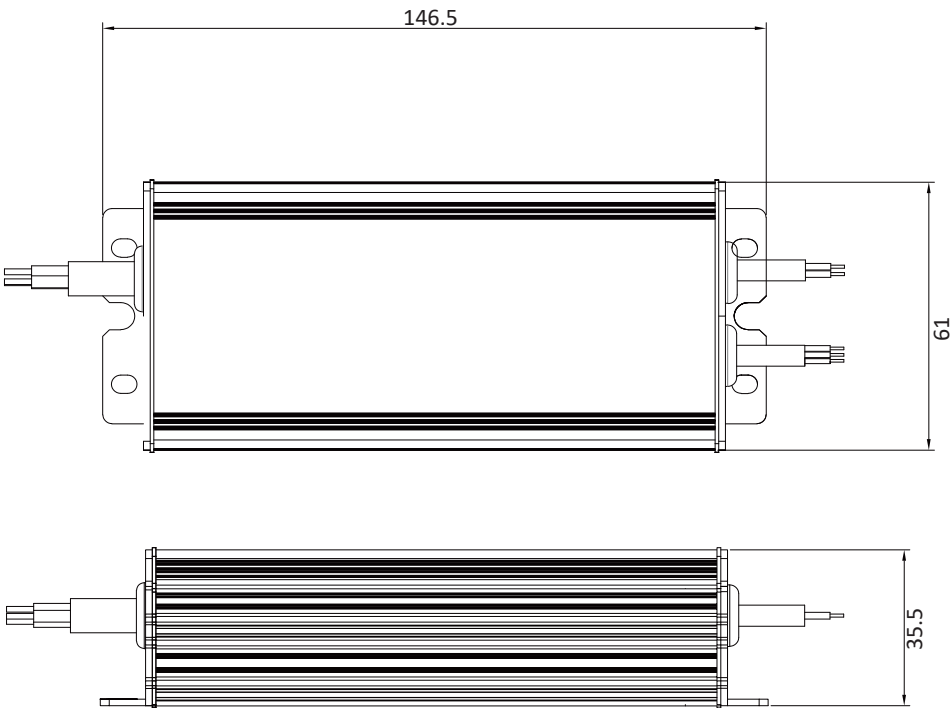
Protection Functione

Overload Protection	Automatic reversible
Short Circuit Protection	Automatic reversible
Over Temperature Protection	Automatic reversible
No-load Protection	<315V
Type of Protection	IP67

Note :

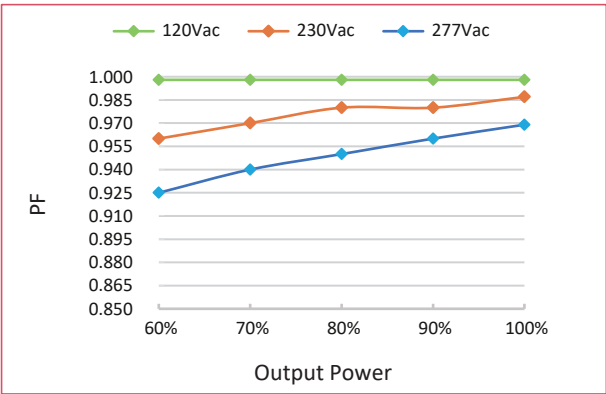
- 1.All parameters NOT specially mentioned are measured at 230VAC input, full load and 25°C of ambient temperature.
- 2.EL compatible with IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 emergency lighting fixtures, compatible with EN 50172central battery system applications.
- 3.All Eadlerise power supoly are complied with EMI reaulations, Since they are belong to component and will be instaled inside systemenclosure. When they are integrated into a system, the EMI characteristics of the system must be re-verified again.

Exterior Dimensions (unit: mm)

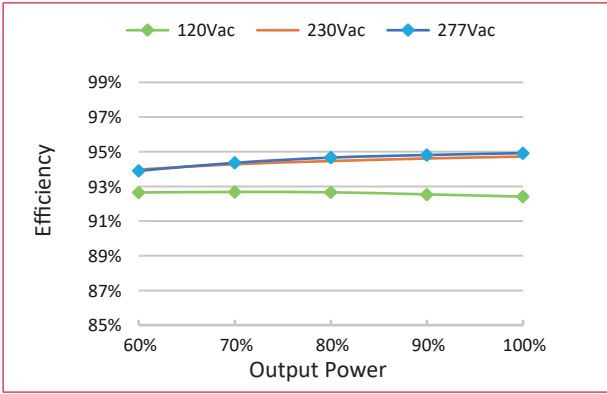


Electrical Curves

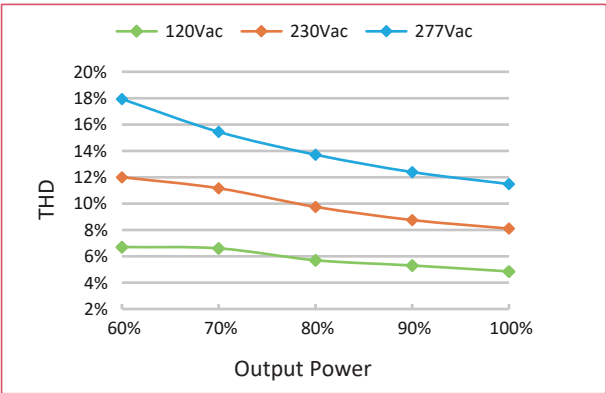
PF&Output Power



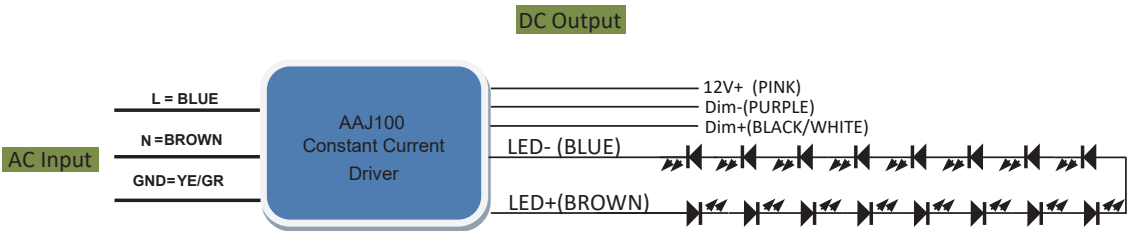
Eff&Output Power



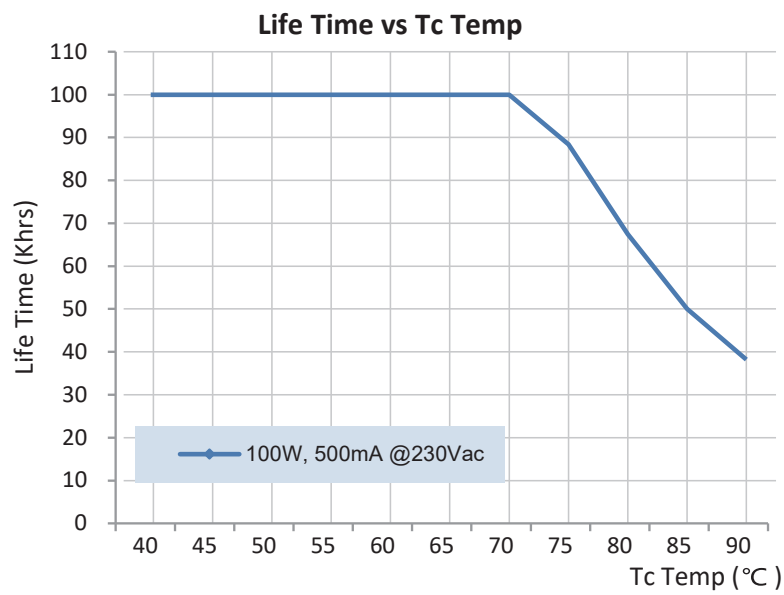
THD&Output Power



Wiring Method



Life Curve Graph



Quantity per Package

Model	Carton size	Qty/carton	G.W
AAJ100-C500-X	534*310*207mm	24PCS	15.5KG