

AAJ40

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
AAJ40-C200-X	120-200mA	90-305V	180-260V	40W	93.0%	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	-	-	0.45A	@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 curve 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	-	129*61*35.5 mm	-	
Net Weight	-	550g	-	

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

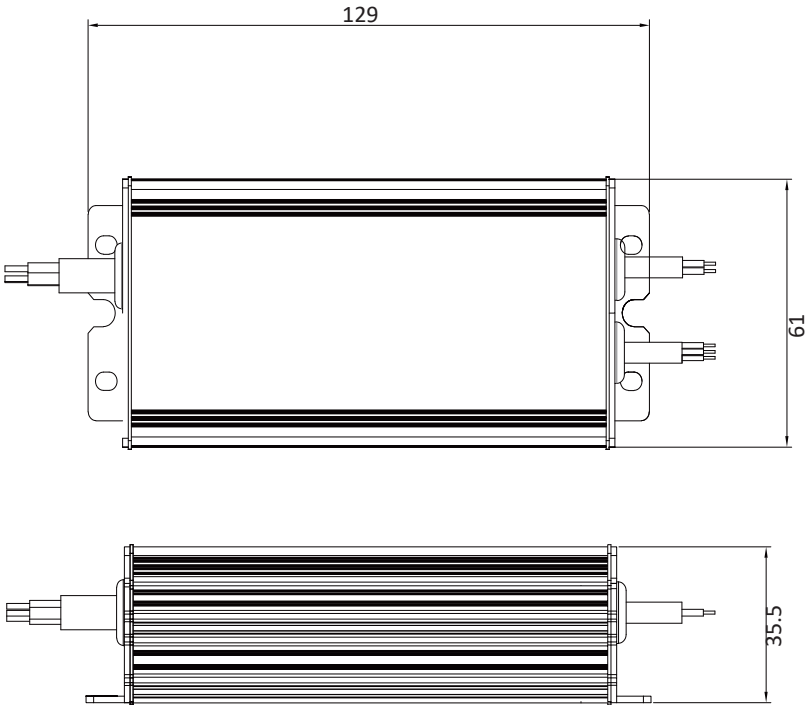
Protection Functione

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

Note :

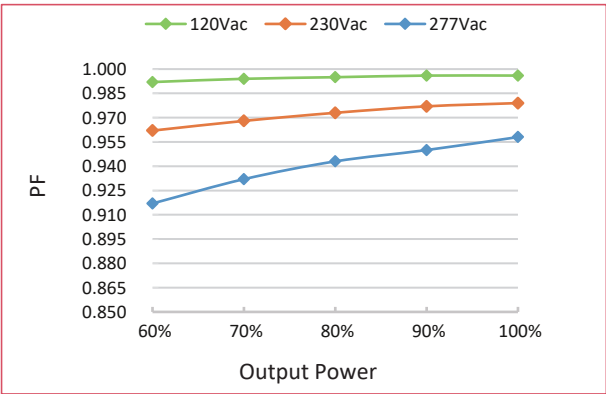
- 1.All parameters NOT specially mentioned are measured at 230VAC input, full load and 25°C of ambient temperature.
- 2.EL compatible with IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 emergency lighting fixtures, compatible with EN 50172central battery system applications.
- 3.All Eadlerise 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)

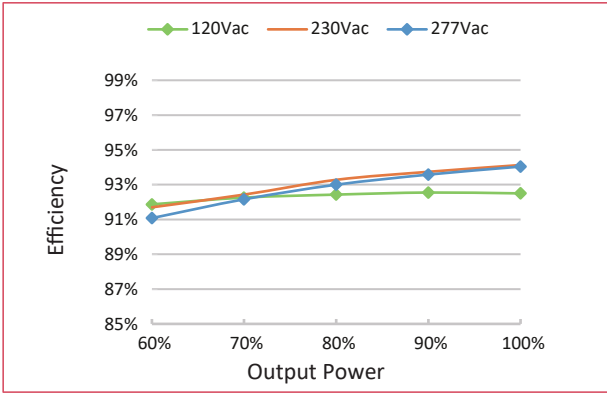


Electrical Curves

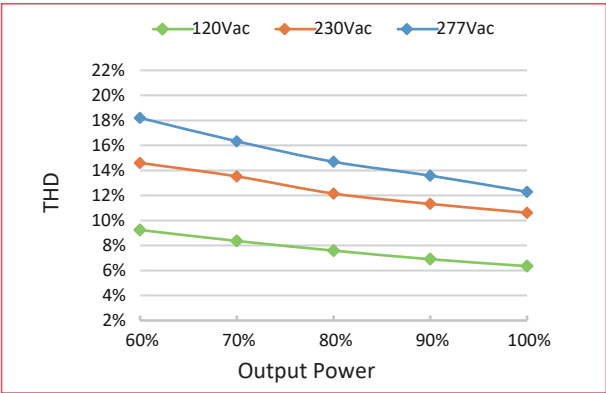
PF&Output Power



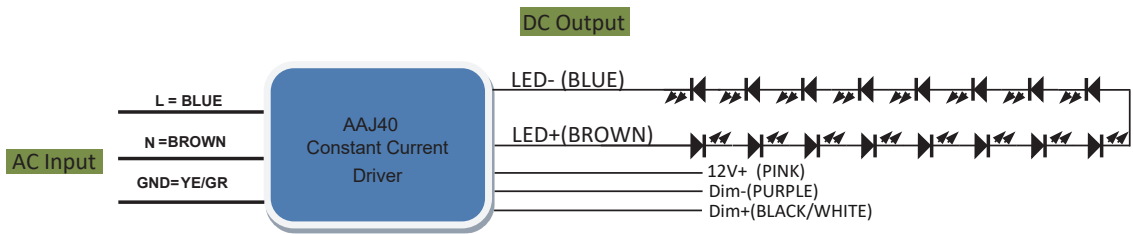
Eff&Output Power



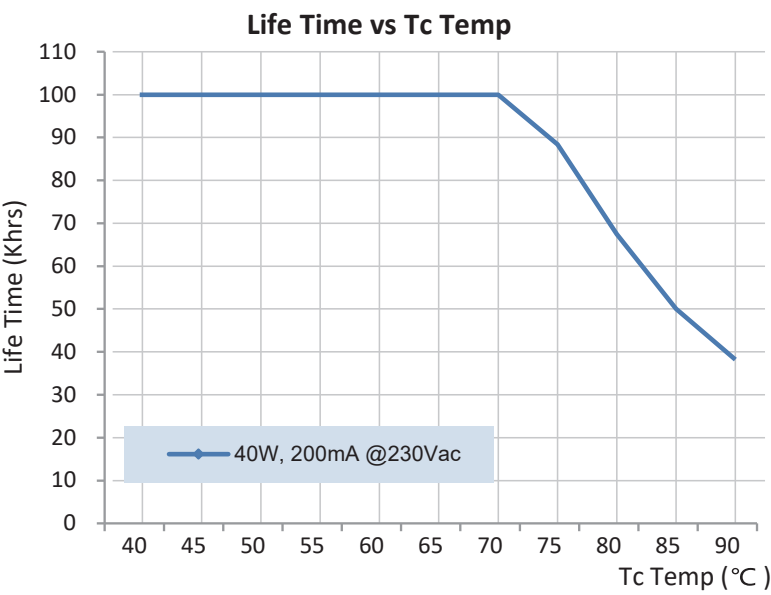
THD&Output Power



Wiring Method



Life Curve Graph



Quantity per Package

Model	Carton Size	Qty/Carton	G.W
AAJ40-C200-X	534*310*207mm	24PCS	14.2KG