

SWITCHING POWER SUPPLY 100W 12V 24V IP20 Slim Sized

TECHNICAL SHEET

AZ-AL-12/24100



KEYLIGHT

SPAIN

PRODUCTOS DE ILUMINACION

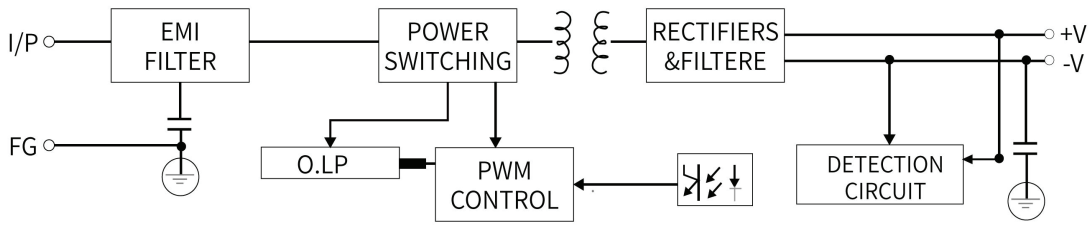
FEATURES

- . 100-240V AC input
- . Single Output
- . 90% high efficiency
- . 100% full load bur-in test
- . Protection: OTP,OLP,OVP,SCP
- . **Slim sized for limited spaces**
- . CE FCC Certified
- . 3 year warranty

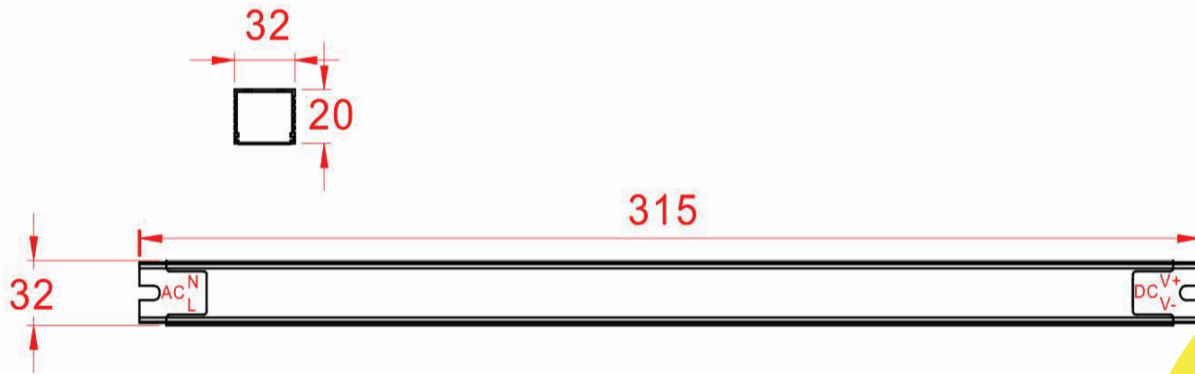
SPECIFICATIONS

Product Code		AZ - AL - 12100	AZ - AL - 24100
Output	DC Voltage	12V	24V
	Rated Current	8,3A	4,15A
	Current Range	0~8,3A	0~4,15A
	Voltage tolerance	±5%	±5%
	Rated Power	100W	100W
	Ripple & Noise	<120mVp-p	<240mVp-p
	Start up time	<1500ms, 30ms / 230VAC	
Input	Input voltage range	100 - 240 VAC	
	Frequency Range	50~60Hz	
	AC Current	1.7A / 115VAC; 0.85A / 230VAC	
	Efficiency	88%	90%
	No load consumption	<0.5W	
Protection	Over Load	Above 110%- 150% of rated power	
		Shut-down output voltage, auto recovery after fault condition is removed	
	Over Voltage	Above Max. Voltage (105% of rated voltage)	
		Shut-down output voltage, auto recovery after fault condition is removed	
Over Temperature	Over 130°C detected on main IC control		
	Shut-down output voltage, auto recovery after fault condition is removed		
Ambiant	Working Temp. & humidity	"- 20°C~+60°C, 20%~90%RH	
	Storage temp. & humidity	"- 40°C~+85°C, 10%~95%RH	
Tesings	Withstand voltage	I/P-O/P: 3KVAC/1min; I/P-F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min;	
	Safety	GB4943 ;EN62608-1	
	EMC	EN55032:2015/AC:2016 EN61000-3-3:2013 EN55024:2010+A1:2015	
Other	Lifespan	20000hrs	
	Demension(L*W*H)	315*32*20mm (L*W*H)	
	Packing	0.22kg/pcs, 100pcs/21kg/CTN	
Note	1, The above mentioned data were measured at 230VAC input and 25°C. 2, Dis- connect the AC input before checking any mal-phenomenons. 3, Make sure the INPUT&OUPUT were in right situation before connected to power supply. 4, Datesheet for reference only. We suggest you take sampling before mass orders.		

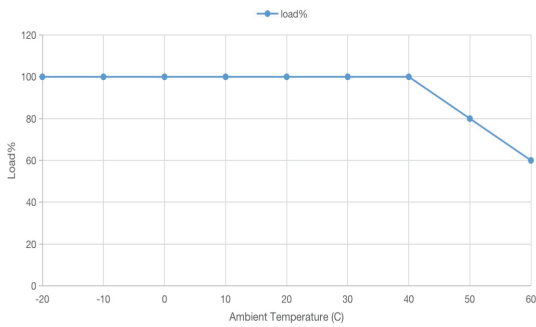
Block Diagram



Mechanical Specification



Temperature Derating Curve



Output Load VS Input Voltage

