



External Power Supplies

Features

- Ultra high efficiency up to 90%
- Universal AC input/Full range
- Protection Requirements: Electronic short circuit / Over voltage / Over temperature / Over load
- Built-in active PFC function
- IP65/IP67 design for indoor or outdoor
- Full UL1310 Class 2
- Cooling by free air convection
- All ageing at full load
- Suitable for LED lighting, LED display, street lighting applications
- Worldwide safety standards for lighting
- 5 years warranty

Input

- Input Voltage: 90~264VAC; 127~370VDC
- Frequency: 47-63Hz
- Input Current: 1.8A 115VAC; 0.8A 230VAC
- Power Factor: PF ≥ 0.95 at (75~100%)
115VAC/230VAC
- Efficiency (Typ.): 90%
- Leakage Current: < 0.75mA/ 240VAC
- Inrush Current: 90A 230VAC

Safety Standards

- UL1310/UL1012, UL8750, EN61347-1, EN61347-2-13
CSA C22.2 No.223-M91

EMC Standards

- EN55015, EN61547, ENV50204

Withstand Voltage

- I/P-O/P: 3.75KVAC
- I/P-FG: 1.88KVAC
- O/P-FG: 0.5KVAC

Harmonic Current

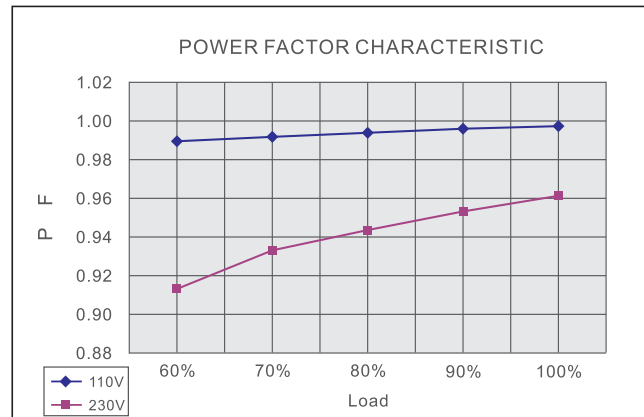
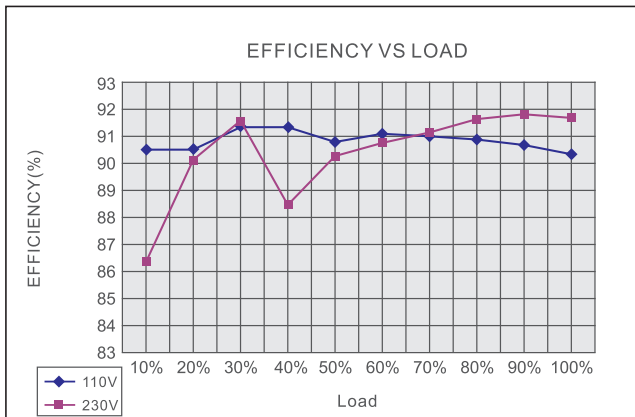
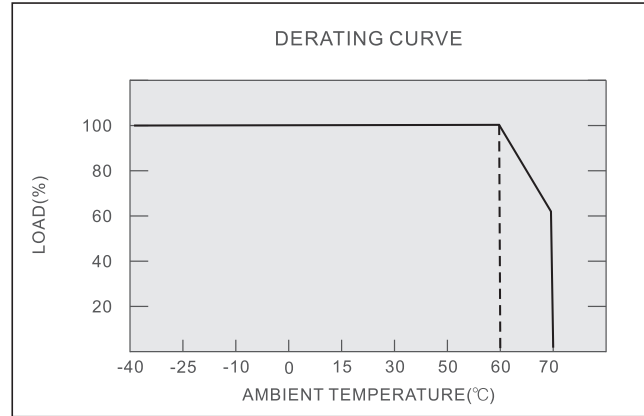
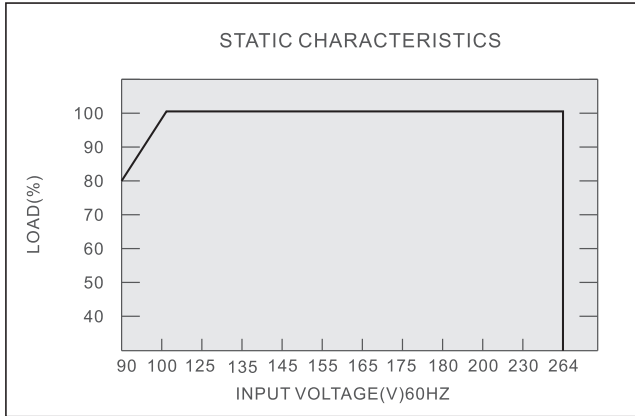
- EN61000-3-2 Class C (≥75% load)
- EN61000-3-3

Isolation Resistance

- I/P-O/P: 100M Ohms/500VDC/25°C/70%RH

Environment

- Working Temperature: -40~+60°C
- Working Humidity: 20~95%RH
- Storage Temp & Humidity: -40~+80°C, 10~95%RH
- Vibration: 10~500Hz, 2G 12 min/ 1 cycle, period for
72 min. each along X, Y, Z axes



Product Tables for 90W

MODEL	LAWV120P 0750SSA	LAWV150P 0600SSA	LAWV240P 0375SSA	LAWV360P 0250SSA	LAWV480P 0188SSA	LAWV540P 0166SSA
Constant Current Region	8~12V	11~15V	17~24V	25~36V	40~48V	42~54V
Current Range	0~7.5A	0~6A	0~3.75A	0~2.5A	0~1.88A	0~1.66A
Rated Power	90W	90W	90W	90W	90.24W	89.64W
Dimension	200*68*38.8mm					

Note

Voltage Tolerance:±5%; Line Regulation:±3.0%; Load Regulation:±5%
Setup,Rise Time: 3s,100ms(full load) 230VAC/115VAC

Packing & Shipping

Filler Types	PCS Per Ctn	GW (kg)	Net Weight (kg)	Measurement (mm)	CBM (m³)	Container (ft)	Ctn Container	PCS per Container
No Filler	24	17.8	14.88	223*68*39	0.0172	20	816	19584
						40	1776	42624
With Filler	12	15.2	12.24		0.0332	20	1584	19008
						40	3456	41472
Open Frame	50	17.8	16.75	176*60*34	0.0263	20	1155	57750
						40	2464	123200