

Features:

- Wide Operating Voltage 90 to 305 VAC, 47 to 63 Hz
- Internal EMI filter
- Active Power Factor Correction
- C.C. Mode + C.V. Mode
 - Constant Current: 0.1~5.71A
 - Constant Voltage: 21~50V
- Over Voltage, Over Current, Over Temperature (optional)
- Class I
- 3 year warranty



Electrical Characteristics:

Vin	Safety Approvals	Input Voltage Range	100~277VAC
		Operate Voltage Range	90~305VAC
fin		Input Frequency	47~63Hz
PF	Power Factor Correction	Io=Full load, Vin=90~280VAC	0.90~1.0
Po		Output Power Range	See rating chart
Vo		Output Voltage Range	See rating chart
Io		Output Current Range	See rating chart
Iil	Input Current (Low Line)	Io=Full load, Vin=100VAC	1.8A
Iih	Input Current (High Line)	Io=Full load, Vin=240VAC	0.7A
Ir	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC	37A (max.)
	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC	75A (max.)
Eff	Efficiency	Io=Full Load, Vin=230VAC	86~92%
REG-i	Line Regulation	Io=Full Load	0.5~1%
REG-o	Load Regulation	Vin=230VAC (C.C.)	5%
	Load Regulation	Vin=230VAC (C.V.)	5%
OVP	Over Voltage Protection		103~105%
OCP	Over Current Protection		105% (max.)
Ttr	Time of Transient Response	Io=Full Load to Half Load, Vin=100VAC	4mS (max.)
Th	Hold-Up Time	Io=Full Load, Vin=100VAC	12mS (min.)
Ts	Start Up Time	Io=Full Load, Vin=100VAC	1S (max.)
Vp-p	Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC	1% (max.)
Iik	Safety Ground Leakage Current	Vin=240VAC/60Hz	0.75mA (max.)
TC	Temperature Coefficient	All output	±0.04%/°C
Pno	No-Load Power Consumption	No load, Vin=230VAC	See rating chart
Vps	Dielectric Withstanding Voltage	Primary to secondary	4346VAC (min.)
Vpg	Dielectric Withstanding Voltage for Primary to PE	Primary to PE	1798VAC (min.)
Ris	Isolation Resistance	Test Voltage=500VDC	50MΩ (min.)

Application:

- Outdoor installations

Safety Approvals:

UL US CE CB FC

IP68 RoHS2 2011/65/EU

UL/c-UL (UL8750:1st edition)

TUV (EN61347-1: 2008,
IEC61347-1: 2007,
EN/IEC61347-2-13: 2006)

CE-EMC (EN55015: 2006+A2: 2009
& EN61547: 2009)

Environmental

To	Operating Temperature	See derating curve
Ts	Storage Temperature	-40~85°C
Ho	Operating Humidity	0~95%
Hr	Storage Humidity	0~95%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F	0.1M Hrs (min.)
Pd	Derate linearly from 100% load at 60°C to 50% load at 70°C	



Output Voltage And Current Rating Chart (Single Output) :

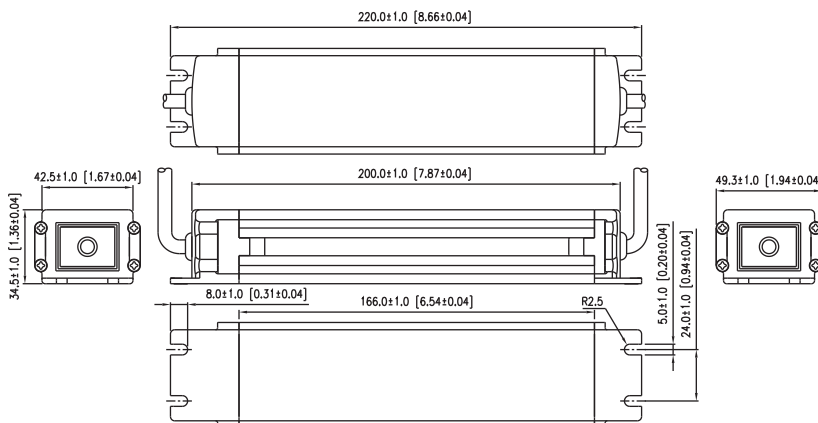
Model Number	Output Voltage	Output Current	Load Regulation	Max. Output Power	Pno (max.)
LSU120A-108-21V	21 VDC	0.1 ~ 5.71 A	5%	120W	1W
LSU120A-108-22V	22 VDC	0.1 ~ 5.45 A	5%	120W	1W
LSU120A-108-23V	23 VDC	0.1 ~ 5.21 A	5%	120W	1W
LSU120A-108-24V	24 VDC	0.1 ~ 5.00 A	5%	120W	1W
LSU120A-108-25V	25 VDC	0.1 ~ 4.80 A	5%	120W	1W
LSU120A-108-26V	26 VDC	0.1 ~ 4.61 A	5%	120W	1W
LSU120A-108-27V	27 VDC	0.1 ~ 4.44 A	5%	120W	1W
LSU120A-109-27V	27 VDC	0.1 ~ 4.44 A	5%	120W	1W
LSU120A-109-28V	28 VDC	0.1 ~ 4.28 A	5%	120W	1W
LSU120A-109-29V	29 VDC	0.1 ~ 4.13 A	5%	120W	1W
LSU120A-109-30V	30 VDC	0.1 ~ 4.00 A	5%	120W	1W
LSU120A-109-31V	31 VDC	0.1 ~ 3.87 A	5%	120W	1W
LSU120A-109-32V	32 VDC	0.1 ~ 3.75 A	5%	120W	1W
LSU120A-109-33V	33 VDC	0.1 ~ 3.63 A	5%	120W	1W
LSU120A-110-33V	33 VDC	0.1 ~ 3.63 A	5%	120W	1W
LSU120A-110-34V	34 VDC	0.1 ~ 3.52 A	5%	120W	1W
LSU120A-110-35V	35 VDC	0.1 ~ 3.42 A	5%	120W	1W
LSU120A-110-36V	36 VDC	0.1 ~ 3.33 A	5%	120W	1W
LSU120A-110-37V	37 VDC	0.1 ~ 3.24 A	5%	120W	1W
LSU120A-110-38V	38 VDC	0.1 ~ 3.15 A	5%	120W	1W
LSU120A-110-39V	39 VDC	0.1 ~ 3.07 A	5%	120W	1W
LSU120A-110-40V	40 VDC	0.1 ~ 3.00 A	5%	120W	1W
LSU120A-111-40V	40 VDC	0.1 ~ 3.00 A	5%	120W	1W
LSU120A-111-41V	41 VDC	0.1 ~ 2.92 A	5%	120W	1W
LSU120A-111-42V	42 VDC	0.1 ~ 2.85 A	5%	120W	1W
LSU120A-111-43V	43 VDC	0.1 ~ 2.79 A	5%	120W	1W
LSU120A-111-44V	44 VDC	0.1 ~ 2.72 A	5%	120W	1W
LSU120A-111-45V	45 VDC	0.1 ~ 2.66 A	5%	120W	1W
LSU120A-111-46V	46 VDC	0.1 ~ 2.60 A	5%	120W	1W
LSU120A-111-47V	47 VDC	0.1 ~ 2.55 A	5%	120W	1W
LSU120A-111-48V	48 VDC	0.1 ~ 2.50 A	5%	120W	1W
LSU120A-111-49V	49 VDC	0.1 ~ 2.44 A	5%	120W	1W
LSU120A-111-50V	50 VDC	0.1 ~ 2.40 A	5%	120W	1W

The output voltage range will vary from V_o to $0.6 \cdot V_o$ of each model on C.C. Mode.

Input Connector : SJWT, 18AWGx3C (1Ft)

Output Connector : SJWT, 18AWGx2C (1Ft)

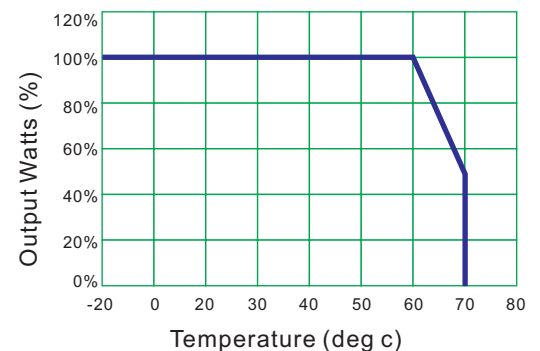
Mechanical Specifications:



Note:

1. Dimensions are shown in inches or mm .
2. Weight: 680~750gs approx.

Derating Curve :



1. Operating Temperature: -20 to 70°C
2. Derate linearly from 100% load at 60°C to 50% load at 70°C