

Features:

- Wide Operating Voltage 90 to 260 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Active Power Factor Correction
- Long Hold Up Times (50ms)
- Single and Dual Output
- Option : Mounting Tab and Desk Top
- Include a cooling fan
- Class I
- 2 year warranty



Electrical Characteristics:

Vin	Safety Approvals Input Voltage Range		100~240VAC
	Operate Voltage Range		90~260VAC
fin	Input Frequency		47~63Hz
PF	Power Factor Correction	Io=Full load, Vin=240VAC	0.95~1
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	3.2A
Iih	Input Current (High Line)	Io=Full load, Vin=240VAC	3.2A
Ir	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC	30A (max.)
	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC	60A (max.)
Eff	Efficiency	Io=Full Load, Vin=230VAC	80~85%
REG-i	Line Regulation	Io=Full Load	0.5~1%
REG-o	Load Regulation	Vin=230VAC	3~10%
OVP	Over Voltage Protection		112~132%
OCP	Over Current Protection		110~150%
Ttr	Time of Transient Response	Io=Full Load to Half Load, Vin=100VAC	4mS (max.)
Th	Hold-Up Time	Io=Full Load, Vin=110VAC	50mS (min.)
Ts	Start Up Time	Io=Full Load, Vin=100VAC	2S (max.)
Vp-p	Ripple & Noise(Peak to Peak)	Full Load, Vin=90VAC	1% (max.)
Ilk	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 for Primary to secondary	Primary to secondary	4242VDC (min.)
Vpg	Dielectric Withstanding Voltage for Primary to PE	Primary to PE	2121VDC (min.)
Ris	Isolation Resistance	Test Voltage=500VDC	50MΩ (min.)

Note: The Ripple & Noise which is under 3.3VDC at 2% max

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 25°C to 50% load at 70°C	

Application:

- Printer
- Industrial PC
- Power Tools
- DC Motor
- AV Equipment
- LED Lighting

Safety Approvals:

UL US CB CE FC



Intertek GS RoHS 2002/95/EC COMPLIANT

UL/c-UL(UL 60950-1:2nd Edition)
Intertek-GS(EN 60950-1:2nd Edition)

The SPU130-111 is available on KC mark (Korea Certification).

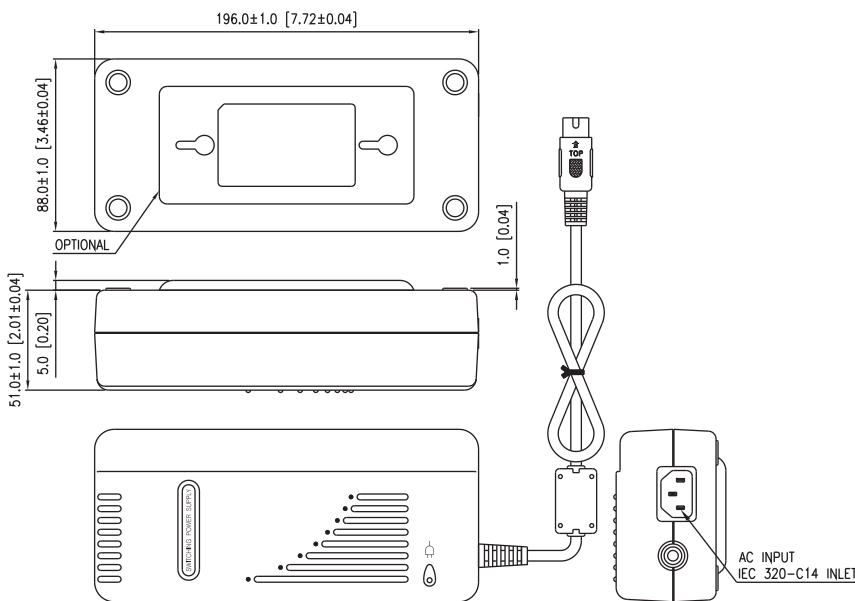
Output Voltage And Current Rating Chart (Single Output) :

Model Number	Output Voltage	Output Current	Total Regulation	Max. Output Power	Pno (max.)
SPU130-101	3 ~ 5 VDC	30.00 ~ 18.00 A	7%	90W	7.0W
SPU130-102	5 ~ 6 VDC	23.00 ~ 19.16 A	7%	115W	7.5W
SPU130-103	6 ~ 8 VDC	21.60 ~ 16.25 A	7%	130W	7.0W
SPU130-104	8 ~ 11 VDC	16.25 ~ 11.80 A	5%	130W	7.5W
SPU130-105	11 ~ 13 VDC	11.80 ~ 10.00 A	5%	130W	7.5W
SPU130-106	13 ~ 16 VDC	10.00 ~ 8.12 A	5%	130W	7.0W
SPU130-107	16 ~ 21 VDC	8.12 ~ 6.19 A	5%	130W	7.5W
SPU130-108	21 ~ 27 VDC	6.19 ~ 4.81 A	5%	130W	7.5W
SPU130-109	27 ~ 33 VDC	4.81 ~ 3.93 A	5%	130W	7.5W
SPU130-110	33 ~ 40 VDC	3.93 ~ 3.25 A	3%	130W	9.0W
SPU130-111	40 ~ 50 VDC	3.25 ~ 2.60 A	3%	130W	8.2W
SPU130-112	50 ~ 55 VDC	2.60 ~ 2.36 A	3%	130W	8.5W

Output Voltage And Current Rating Chart (Multi Output) :

Model Number	Output #1				Output #2				Max. Output Power	Pno (max.)
	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax		
SPU130-200	+3.3V	4V	20A	7%	+12V	0V	2A	5%	90W	8.5W
SPU130-201	+5V	4V	20A	7%	+12V	0V	2A	5%	120W	8.5W
SPU130-201-1	+5V	2V	10A	5%	+12V	1V	5A	10%	110W	7.5W
SPU130-101	+5V	4V	20A	7%	+15V	0V	2A	5%	120W	7.5W
SPU130-101	+5V	4V	20A	7%	+24V	0.2V	2A	5%	120W	7.5W

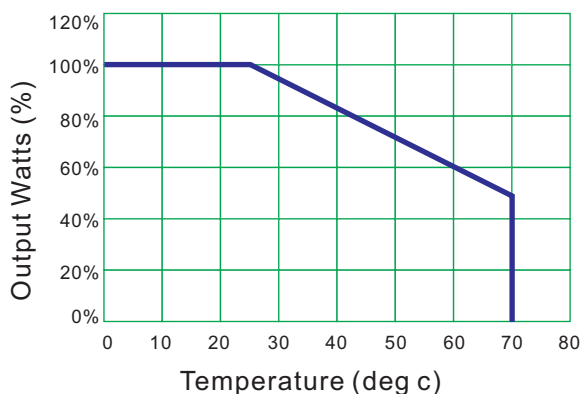
Mechanical Specifications:



Note:

1. Dimensions are shown in mm.
2. Weight: 490~670gs approx.
3. Optional output connector:
See page Appendix.

Derating Curve :



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 25°C to 50% load at 70°C