

**Features:**

- Wide operating voltage 90 - 264 VAC, 47 -63 Hz
- IEC 320-C14 Input inlet
- Optional output connector
- Single output
- Energy star 2.0, Efficiency level V
- Class I
- 2 Year Warranty

**SPU SERIES SPECIFICATIONS**

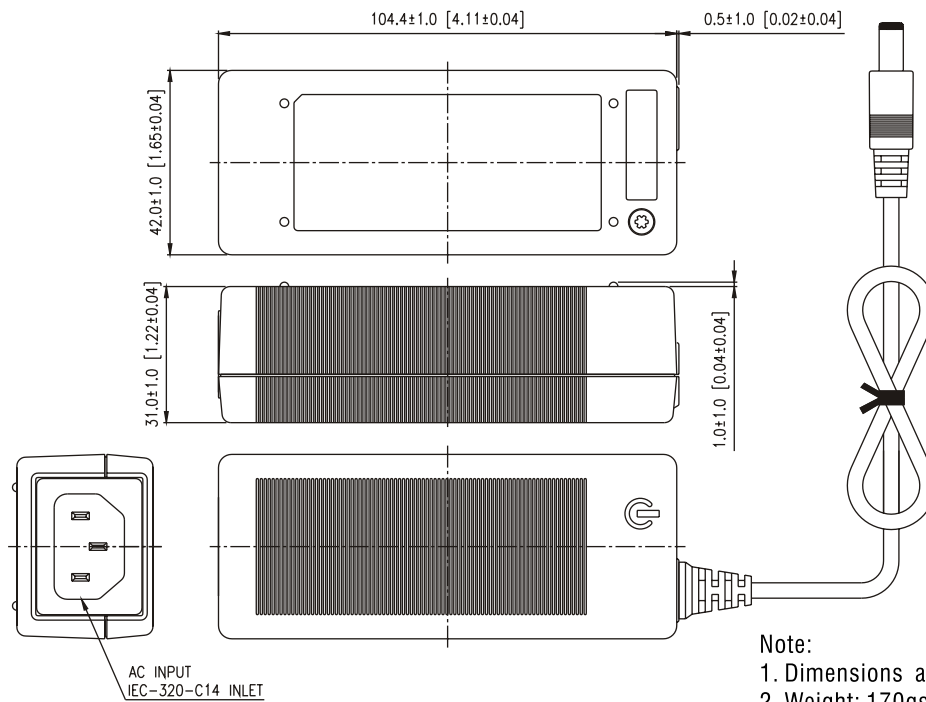
SYM	PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
VIN	Safety Approvals Input Voltage Range	-	100	-	240	VAC
	Operate Voltage Range	-	90	-	264	VAC
FIN	Input Frequency	-	47	-	63	Hz
PO	Output Power Range	Vin=90 to 264 Vac	0	-	25	W
VO	Output Voltage Range	-	See Rating Chart			V
IO	Output Current Range	-	See Rating Chart			A
IIL	Input Current (Low Line)	Io = Full load, Vin = 115VAC	-	-	0.55	a
IIH	Input Current (High Line)	Io= Full load, Vin = 230VAC	-	-	0.3	a
IRL	Low Line Inrush Current	io= Full load, 25°C, Cool start, Vin = 115VAC	-	20	25	a
IRH	High Line Inrush Current	io= Full load, 25°C, Cool start, Vin = 115VAC	-	43	50	a
EFF	Efficiency	Io= Full load, Vin = 230VAC	75	85	95	%
REG-I	Line Regulation	Io= Full load	-	0.5	1	%
REG-O	Load Regulation	Vin = 230 VAC	1	3	5	%
OVP	Over Voltage Protection	-	Nil			%
OCP	Over Current Protection	-	110	-	150	%
TTR	Time of Transient Response	Io= Full load to Half load, Vin = 100VAC	-	-	4	mS
THOLD	Hold-up Time	Io= Full load, Vin = 110 VAC	12	14	16	mS
TS	Start up Time	Io= Full load, Vin = 100 VAC	-	0.25	0.5	S
VP-P	Ripple & Noise (Peak to Peak)	Full load, Vin = 90 VAC	-	0.5	1	%
ILK	Safety Ground Leakage Current	io= Full load, Vin = 240 VAC	-	0.5	0.75	mA
TC	Temperature Coefficient	All output	-0.04	-	0.04	%/°C
PNO	No Load Power Consumption	No load, Vin = 240 VAC	0	0.4	0.5	W
TOPER	Operating Temperature		0	40	70	°C
TSTG	Storage Temperature		- 40	-	85	°C
HO	Operating Humidity		0	-	95	%
HR	Storage Humidity		0	-	75	%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.3M	-	-	Hrs
PD	Derate linearly from 100% load at 40°C to 50% load at 70°C					

SYM	PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
VPS	Dielectric Withstanding Voltage for Primary to Secondary	Primary to Secondary	4242	-	-	VDC
VPG	Dielectric Withstanding Voltage for Primary to Ground	Primary to Ground	2121	-	-	VDC
RIS	Isolation Resistance	Test Voltage = 500VDC	50	-	-	M Ω
CISPR	EMI Requirements for CISPR-22	Vin=220VAC	B	-	-	CLASS
FCC	EMI Requirements for FCC Part-15	Vin = 110VAC	B	-	-	CLASS

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	TOTAL REGULATION	MAXIMUM OUTPUT POWER
SPU25A-102	5 ~ 6 VDC	3.00 ~ 2.75 A	5%	16.5W
SPU25A-103	6 ~ 8 VDC	3.30 ~ 2.50 A	5%	20 W
SPU25A-104	8 ~ 11 VDC	2.27 ~ 2.00 A	5%	22 W
SPU25A-105	11 ~ 13 VDC	2.27 ~ 1.92 A	5%	25 W
SPU25A-106	13 ~ 16 VDC	1.92 ~ 1.56 A	5%	25 W
SPU25A-107	16 ~ 21 VDC	1.56 ~ 1.19 A	5%	25 W
SPU25A-108	21 ~ 27 VDC	1.19 ~ 0.92 A	3%	25 W
SPU25A-109	27 ~ 33 VDC	0.92 ~ 0.75 A	3%	25 W
SPU25A-110	33 ~ 40 VDC	0.75 ~ 0.62 A	3%	25 W
SPU25A-111	40 ~ 48 VDC	0.62 ~ 0.52 A	3%	25 W

\* Approved by PSE  
 SPU25A-102-104 has been approved by CEC level IV  
 SPU25A-105-111 has been approved by CEC level V

### SPU25 SERIES SPECIFICATIONS



Note:  
 1. Dimensions are shown in mm.  
 2. Weight: 170gs approx.  
 3. Optional output connector:  
 See page Appendix.

Data sheets are subject to change without notice, please check with our sales office before ordering