



### Features:

The SPU16A is an AC/DC switch-mode power supply well suited for a variety of applications. All units are 100% burned-in tested. High reliability and MTBF ensure this PSU is the perfect choice.

- Wide Operating Voltage 90 to 264Vac
- IEC-320-C14 (kettle) mains inlet
- With 2 pack R/A 2.1 and 2.5mm Cons.
- Energy Star and Efficiency Level V
- Safety: CE, TUV-GS, UL, CB, LPS, CCC
- 2 Year Warranty



### Part Number Chart

Part Number	Output Voltage	Output Current	Wattage	Load Regulation
S2113ST	3.3Vdc	2.5A	8.25W	7%
S2095ST	5Vdc	2.4A	12W	5%
S2096ST	6Vdc	2A	12W	5%
S2097ST	7.5Vdc	1.6A	12W	5%
S2235ST	9Vdc	1.66A	14.9W	5%
S2099ST	12Vdc	1.25A	15W	5%
S2100ST	15Vdc	1A	15W	5%
S2101ST	18Vdc	0.8A	14.4W	5%
S2102ST	24Vdc	0.6A	14.4W	5%

Other output voltages available on request. Please contact your sales representative for more information.

### Electrical Specifications

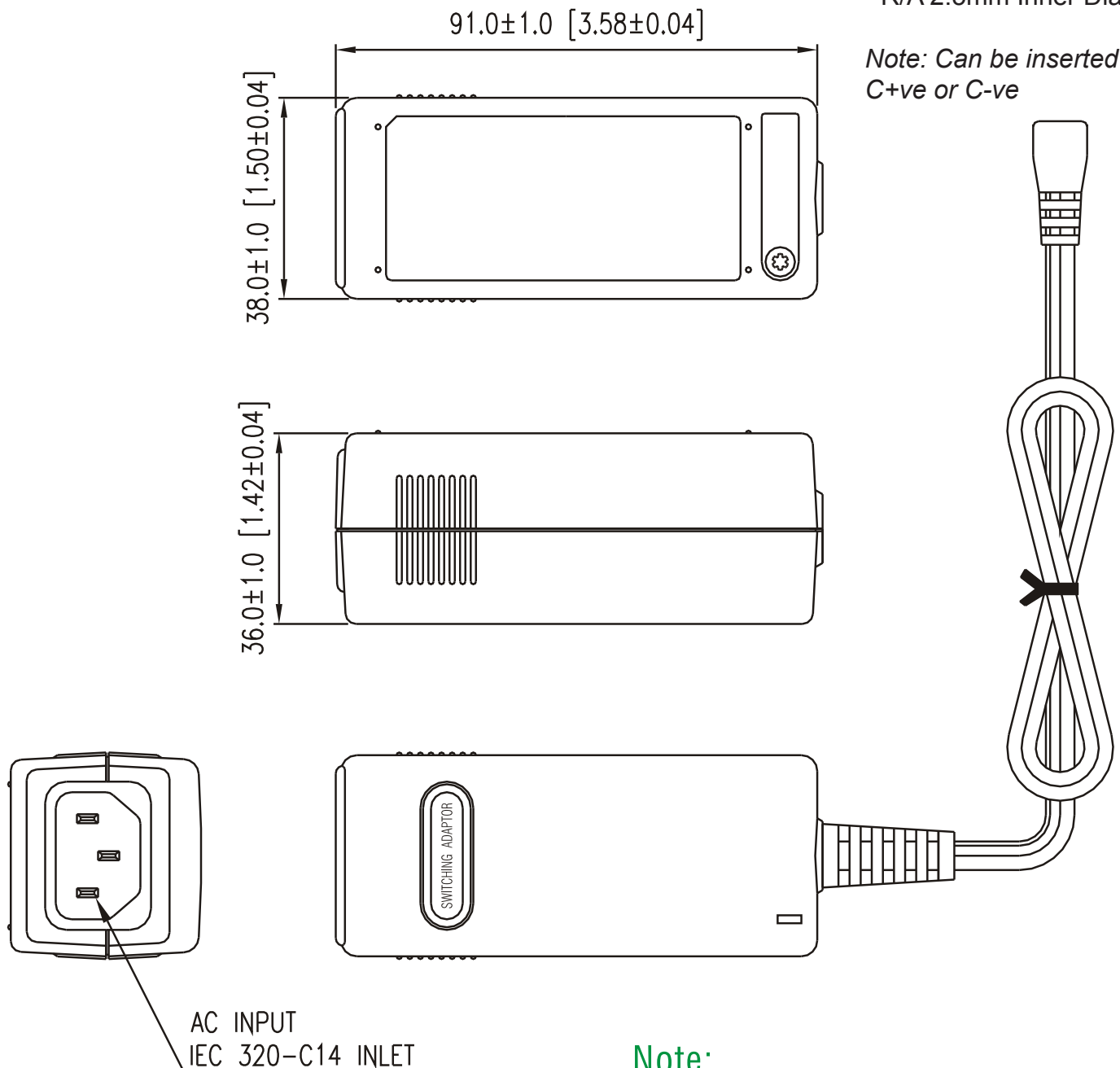
Parameter	Result
Operating Voltage Range	90 to 264VAC
Input Frequency	47 to 63Hz
Input Current (at full load)	0.4A (at 115Vac), 0.26A (at 230Vac)
Inrush Current (at full load, cool start, 25°C)	12-15A (at 115Vac), 26-30A (at 230Vac)
Efficiency (at full load)	72 ~ 85% (at 230Vac)
Line Regulation (at full load)	0.5~1%
Protections	Short Circuit Protection
Time of Transient Response (at full load to half load)	4mS max. (at 100Vac)
Hold-Up Time (at full load)	12mS min. (at 100Vac)
Start-Up Time (at full load)	0.3~1 second (at 100Vac)
Ripple and Noise (peak to peak, at full load)	0.5~1% (at 90Vac)
Safety Ground Leakage current (at full load)	0.5~0.75mA (at 240Vac)
Temperature Coefficient	-0.04~0.04%/°C
No-Load Power Consumption (at no load)	0~0.5W (at 240Vac)
Operating Temperature	0~70°C
Storage Temperature	-40~85 °C
Operating Humidity	0~75%
MTBF (at 25 °C, calculated as per MIL-HDBK-217F)	100,000Hrs
Pri to Sec Dielectric Withstanding Voltage	4242Vdc
Pri to Grnd Dielectric Withstanding Voltage	2121Vdc
Isolation Resistance (Test Voltage 500Vdc)	50Mohms
EMI Requirements	CISPR-22 (220Vac) Class B, FCC Part-15 (110Vac) Class B

## Case Drawing (in mm)

### 2 Pack O/P Connectors

- R/A 2.1mm Inner Diam.
- R/A 2.5mm Inner Diam.

*Note: Can be inserted  
C+ve or C-ve*



**Note:**

**Weight: 165gs approx.**