

# Desk Top Power Supplies

**POWER  
SOLVE**

[www.powersolve.co.uk](http://www.powersolve.co.uk)

## PSE16A Series 15 Watts Single Output

### Features

- Wide input voltage range of 90-264 VAC
- CEC and Energy Star Compliant
- 3 pin IEC-320-C14 AC Inlet  
(optional 2 or 3 pin C8 version or lead in lead out)
- Output Voltages available from 3V to 48VDC
- Optional Output Connectors



### Electrical Specification

#### INPUT

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	0.4A max 115VAC input, 0.26A max 230VAC input
Safety Ground Leakage Current	0.75mA max
No Load Input Power	0.5W max

#### OUTPUT

Output Voltage & Current	See Rating Chart
Output Power	15 Watts max
Output Ripple & Noise	1% pk-pk max
Transient Response Time	4mS max full load to half load 100VAC input
Line Regulation	1% max
Load Regulation	3% typical, 10%max
Over Current Protection	Short circuit protection
Hold Up Time	5mS

#### ENVIRONMENTAL

Operating Temperature	0 to 70°C, derate linearly from 100% at 40°C to 50% load at 70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% max

#### GENERAL

Efficiency	85% max
MTBF	100,000 hours min @ 25°C calculated to MIL-HDBK-217F

#### SAFETY

Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Isolation Resistance	500Mohm Min
Safety Approvals	UL/cUL60950, TUV/GS(EN60950), CB
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

#### MECHANICAL

UL94V-1 plastic enclosure, see drawing for dimensions

# Desk Top Power Supplies

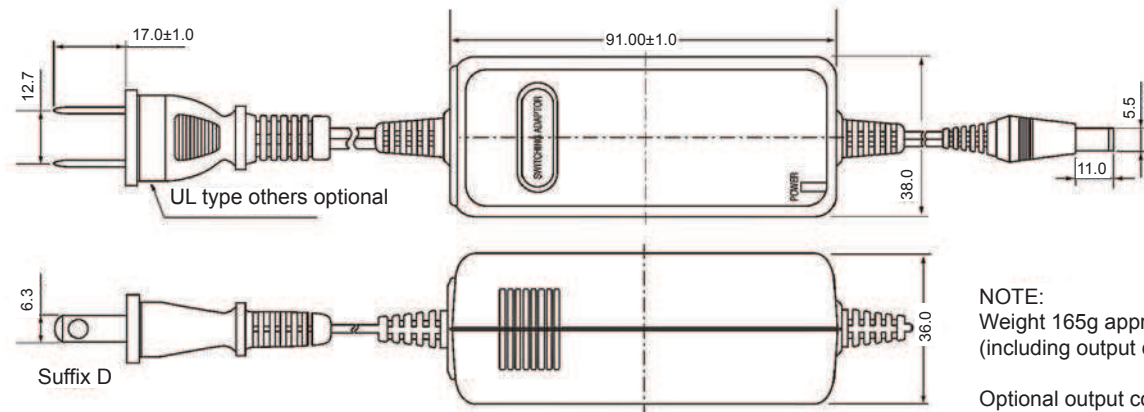
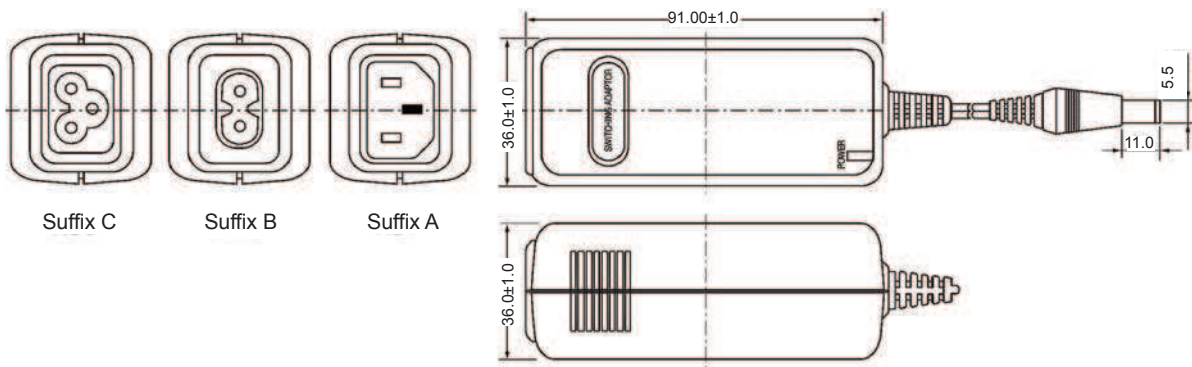


[www.powersolve.co.uk](http://www.powersolve.co.uk)

## Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSE16A-05-01	5V DC	2.5A	12 Watts
PSE16A-09-01	9V DC	1.66A	12 Watts
PSE16A-12-01	12V DC	1.25A	15 Watts
PSE16A-15-01	15V DC	1.00A	15 Watts
PSE16A-16-01	16V DC	0.94A	15 Watts
PSE16A-18-01	18V DC	0.83A	15 Watts
PSE16A-24-01	24V DC	0.63A	15 Watts
PSE16A-48-01	48V DC	0.31A	15 Watts

NOTE: Models above are standard stock items fitted with a 2.1 x 5.5 x 11mm Female Barrel connector wired centre positive, (-01) on end of part number. Alternative output connectors can be fitted. Input is 3 pin IEC320 C14 connector (suffix A on PSE16A). Units can be ordered with alternative input connectors as per drawing below and they would be suffix B,C or D. Consult sales office for details. In addition other models are available to order with any voltage in the range of 5V to 48V DC.



NOTE:  
Weight 165g approx  
(including output cord)

Optional output connectors  
Output Lead 1.8 metres

All dimensions are shown in mm