

## ALL PSU DATA SHEET.

### 18 Watt Desk Top Power Supply, ES Series (Single Output).

- Universal AC Input
- 2 or 3 Pole IEC Inlet. Class 1 / 2
- With or Without Input Earth
- Full Approvals  
UL/CUL/TUV/CE/CB
- Small Size & Light Weight
- Low Cost
- Protected For Short Circuit /  
Over Load / Over Voltage.
- 1 Year warranty



#### Specification.

Input Voltage	90~264 VAC, 47~63 Hz
Inrush Current	Cold Start, Peak <40 A @ 230 VAC
Hold Up Time	16mS @ Full Load / 230VAC
Output Voltage	See Table Below
Overload Protection	Pulsing Mode, Auto Recovery
Over Voltage Protection	>120% Of Rated O/P Voltage (Zener Clamp)
Operating Temperature	0-40°C @ Full Load, Derates to 70% @ 50°C
Withstand Voltage	I/P-O/P : 3KVAC, I/P-FG : 1.5KVAC for 1 Minute
Safety Standards	UL1950, CSA22.2, TUV EN60950 Approved
EMC Standards	EN55022 Class B, EN61000-4-2,3,4,5,6,11 EN61000-3-2,3,
Dimensions (IEC 320-C14 Input)	90 x 54 x 30 mm (Type ES18"A")
(IEC 320-C6 or C8 Input Types)	79 x 52 x 30 mm (Types ES18"B/C")
Output Lead / Plug	1.8 Metre Lead, 2.1 x 5.5 x 11mm + Centre
Mains Input (3 options)	Standard IEC 320-C14, (options for C6 / C8)

Model	Output	Tolerance	Ripple & Noise
<a href="#">ES18A-03-P1J</a>	3.3V / 2.27 A	+/-5%	50 mV
<a href="#">ES18A-05-P1J</a>	5.0 V / 3.0 A	+/-5%	50 mV
<a href="#">ES18A-07-P1J</a>	7.5 V / 2.0 A	+/-5%	80 mV
<a href="#">ES18A-09-P1J</a>	9 V / 2.0 A	+/-5%	80 mV
<a href="#">ES18A-12-P1J</a>	12 V / 1.5 A	+/-3%	80 mV
<a href="#">ES18A-15-P1J</a>	15 V / 1.2 A	+/-3%	100 mV
<a href="#">ES18A-18-P1J</a>	18 V / 1.0 A	+/-3%	150 mV
<a href="#">ES18A-24-P1J</a>	24 V / 0.75 A	+/-2%	180 mV
<a href="#">ES18A-28-P1J</a>	28 V / 0.64 A	+/-2%	240 mV
<a href="#">ES18A-48-P1J</a>	48 V / 0.38 A	+/-2%	240 mV

*Other Desktop Style Units Are Available From 6 to 120 Watts.*

*UK, Euro & USA Mains Leads Suitable For The Above Units Are Available From Stock.*

*Further Product Details Can Be Seen At [www.allpsu.co.uk](http://www.allpsu.co.uk)*

For full specification and mechanical drawing please contact ALL PSU sales office.  
Specifications are subject to change without notice, E&OE. ALL PSU Terms & Conditions Apply.

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111  
Email : [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk), Web : [www.allpsu.co.uk](http://www.allpsu.co.uk)