

**Model: HES18 Series**

Total Power	18 Watts
Input Voltages	90-264 VAC
Outputs	Single

**SPECIAL FEATURES**

- Universal Input
- Diverse Plugs Available
- Wall Mount or Desktop Available
- RoHS compliant – LF designation on power supply label indicates RoHS compliance
- UL, cUL and DEMKO to 60950-1
- CE compliant

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature: 0 to +40°C

Power Density: 2.0-2.3 Watts/Cubic inch

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.04% / °C

Cooling: Free air convection

**SAFETY APPROVALS**

UL	60950-1
CUL	60950-1
DEMKO	EN60950-1



**ELECTRICAL SPECIFICATIONS**

**Input Specifications**

Input Range.....	90-264 VAC
Frequency.....	47-63 Hz
EMI filter.....	EN55022 FCC Class B
Inrush Current.....	48A @ 230 VAC
Input Current.....	0.4A @ 115Vac
	0.17A @ 230Vac
Dielectric Withstand.....	Meet IEC60950
Hold-up Time.....	10mS @ 115Vac
	40mS @ 230Vac
Efficiency.....	75-80%
Switching Frequency.....	40 KHz.

**Output Specifications**

DC Output.....	Maximum continuous output power 18 Watts.
Line Regulation.....	0.1%
Load Regulation.....	±1.5 - 3.0%
Ripple and Noise.....	1.0% Pk to Pk

300-1 Route 17 South Suite B2  
 Lodi, NJ 07644  
 Phone: (973) 594-1800 Fax: (973) 594-1804  
[salesteam@blutekpower.com](mailto:salesteam@blutekpower.com)

## **Model: HES18 Series**

### **ELECTRICAL SPECIFICATIONS (CONT')**

#### **Output Specifications**

Transient Response.....Output voltage returns in less than 3mS following a 25% load change.

Long Term Stability..... $\pm 0.1V$  drift on output after 6 months running at full load (25°C ambient).

OVP.....Built-in Zener diode clamping

Overload Protection (OLP).....125% to 150%

Short-circuit Protection.....Fold-back type

### **OVERALL MECHANICAL DIMENSIONS**

See Chart Below

#### **NOTES**

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 1 year
- Weight: Desktop 7.2 Oz. Wallmount 5.93 Oz.

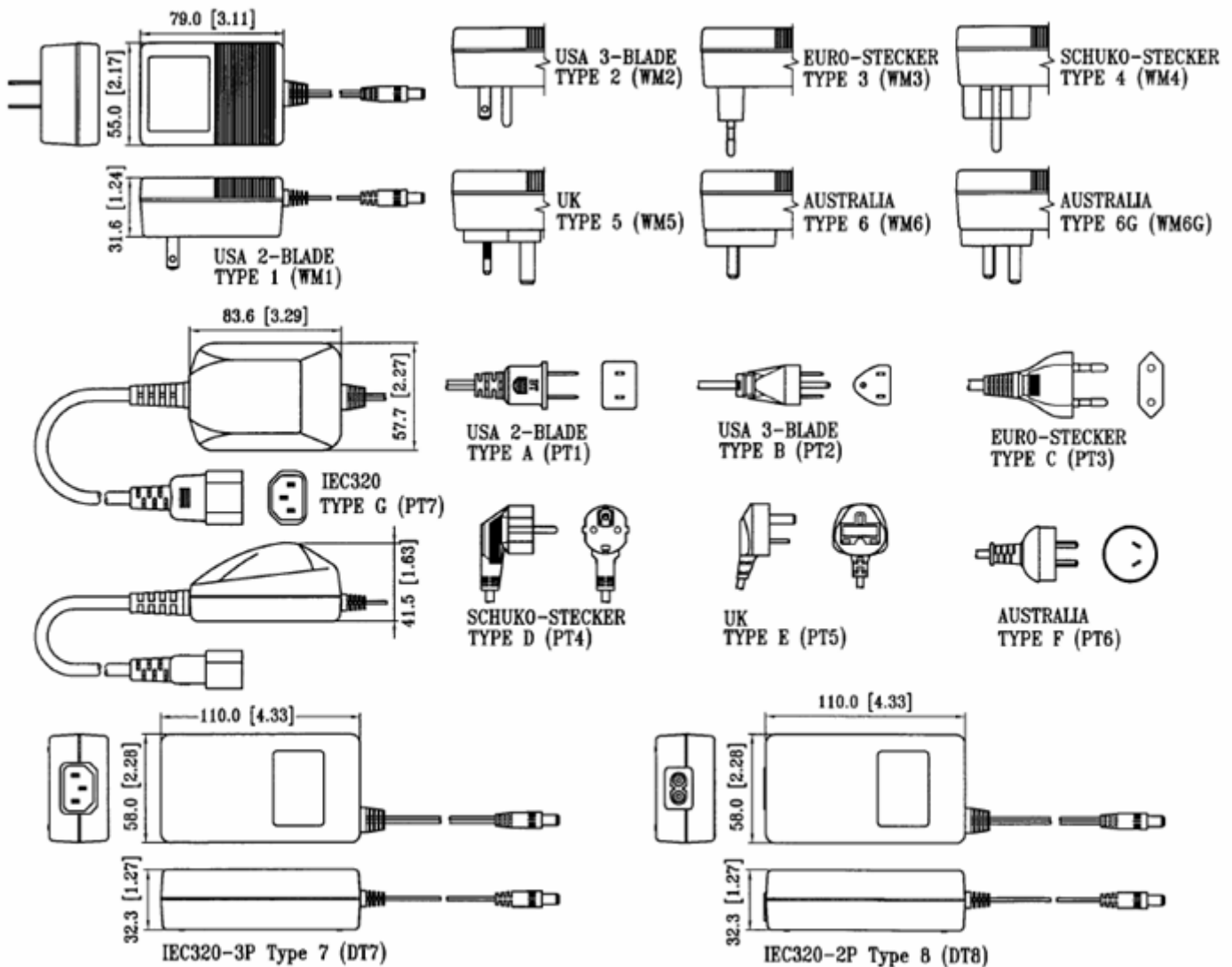
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## MODEL No. / OUTPUT VOLTAGE / CURRENT RATINGS CHART

Model No.	AC Plug	Voltage	Current	Format
HES18-033280-1	WM1	3.3V	2.8A	Wallmount
HES18-050300-1	WM1	5.0V	3.0A	Wallmount
HES18-070230-1	WM1	7.0V	2.3A	Wallmount
HES18-090184-1	WM1	9.0V	1.84A	Wallmount
HES18-120150-7	DT7	12.0V	1.5A	Desktop
HES18-150120-8	DT8	15.0V	1.2A	Desktop
HES18-240075-7	DT7	24.0V	.75A	Wallmount

### MECHANICAL DIMENSIONS: mm (Inches)



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