

# HiTRON

## AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 45-50 WATTS SWITCHING POWER SUPPLIES SES49 SERIES



### FEATURES:

- ACCOMMODATE UNIVERSAL AC SOURCES
- DESKTOP IEC320-3P AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARD
- EMI MEET EN 55022/ FCC CLASS B
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** 90-264Vac typical.  
**Input Connector:** IEC320-3P DT7  
AC input receptacle.  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** 65A @230Vac typical.  
**Input Current:** 0.86A@115Vac & 0.36A @230Vac.  
**Dielectric Withstand:** Meet IEC950.  
**EMI:** Meet EN55022 / FCC Class B.  
**Hold-up Time:** 10mS @115Vac typical.  
60mS @230Vac typical.  
**Earth Leakage:** Less than 0.8 mA.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 45-50Watts typical.  
**Output Connector & Cord:** Optional.  
**Line Regulation:** 0.1% typical.  
**Load Regulation:**  $\pm 2.0$ -3.0% typical.  
**Noise & Ripple:** 1.0% typical peak to peak.  
**OVP:** Built-in by Zener.  
**Adjustability:** Factory set.

#### GENERAL SPECIFICATION

**Efficiency:** 80-85% typical.  
**Switching Frequency:** 60-65KHz typical.  
**Circuit Topology:** Fixed Frequency flyback circuit.  
**Transient Response:** Output voltage returns in less than 3mS following a 25% load change.  
**Safety Standard:** standards EN60950/UL60950, Class I.  
**Power Density:** 3.3Watts. / Cubic Inch.

**Operating Temperature:** 0 to +40°C.  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04% /°C.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant thermo-plastic enclosure case.  
**Desktop Format.**

Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load varied from half load to full load ( $\pm\%$ ).

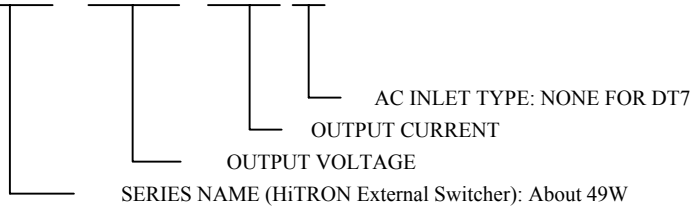
(3) The exact obtainable load regulation depends upon the output cord selected and load current. Upper data are for 6 ft. (2 m) cord AWG#18 wires.



For the details of safety approval, please consult the factory.

Due to requests in market and advances in technology, specifications subject to change without notice.

**MODEL NO. DESCRIPTION: SES49 - X X X Y Y Y - 7**



**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

**SINGLE OUTPUT** *(Model No. for example.)*

MODEL NO.	AC TYPE	OUTPUT VOLTAGE	OUTPUT CURRENT
SES49-033500-7	DT7	3.3Vdc	5.00A
SES49-050300-7	DT7	5.0Vdc	3.00A
SES49-050500-7	DT7	5.0Vdc	5.00A
SES49-090184-7	DT7	9.0Vdc	1.84A
SES49-090400-7	DT7	9.0Vdc	4.00A
SES49-120200-7	DT7	12.0Vdc	2.00A
SES49-120300-7	DT7	12.0Vdc	3.00A
SES49-120350-7	DT7	12.0Vdc	3.50A
SES49-120400-7	DT7	12.0Vdc	4.00A
SES49-150160-7	DT7	15.0Vdc	1.60A
SES49-150330-7	DT7	15.0Vdc	3.30A
SES49-180270-7	DT7	18.0Vdc	2.70A
SES49-190250-7	DT7	19.0Vdc	2.50A
SES49-200240-7	DT7	20.0Vdc	2.40A
SES49-240200-7	DT7	24.0Vdc	2.00A
SES49-250190-7	DT7	25.0Vdc	1.90A
SES49-280170-7	DT7	28.0Vdc	1.70A
SES49-300100-7	DT7	30.0Vdc	1.00A
SES49-300160-7	DT7	30.0Vdc	1.60A
SES49-330140-7	DT7	33.0Vdc	1.40A
SES49-340140-7	DT7	34.0Vdc	1.40A
SES49-350140-7	DT7	35.0Vdc	1.40A
SES49-360130-7	DT7	36.0Vdc	1.30A
SES49-380125-7	DT7	38.0Vdc	1.25A
SES49-400120-7	DT7	40.0Vdc	1.20A

**MECHANICAL DIMENSIONS: MM [INCHES]**

**WEIGHT: 330.0g (13.2 Oz.)**

