Compact Enclosed Switching Power Supplies 300 Watt

- Universal 85-265VAC Input
- Compact Footprint
- High Efficiency
- Regulated Outputs
- 3000V Isolation
- Built in EMI Filter

MK320S Series

4"W x 7"L x 2"H

MODEL SELECTIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Output Voltage</th>
<th>Output Amps (MAX)</th>
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</thead>
<tbody>
<tr>
<td>SINGLE OUTPUT</td>
<td></td>
<td></td>
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<tr>
<td>MK320S-5</td>
<td>5 VDC</td>
<td>50</td>
</tr>
<tr>
<td>MK320S-12</td>
<td>12 VDC</td>
<td>25</td>
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<tr>
<td>MK320S-15</td>
<td>15 VDC</td>
<td>20</td>
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<tr>
<td>MK320S-24</td>
<td>24 VDC</td>
<td>12.5</td>
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Contact Factory for High Volume Pricing
**Compact Enclosed Switching Power Supplies MK320S Series**

**INPUT SPECIFICATIONS**
- Input Voltage Range: 88-132/176-264 VAC
- Frequency Range: 47-63 Hz
- Inrush Current, typ: 20A/100VAC, 40A/200VAC *

**OUTPUT SPECIFICATIONS**
- Voltage and Current: See Selection Chart
- Load Regulation: +/- 0.5%, typ
- Line Regulation: +/- 0.5%, typ
- Voltage Tolerance: +/-1%
- DC Voltage Adjust (typ): +/-6%, typ
- Temperature Coefficient: +/-0.03%/DegC
- Ripple/Noise: 150mV pk-pk, typ
- Over Voltage Protection: Latching, Re-power *
- Short Circuit Protection: Indefinite
- Hold Up Time: 20mS, Nom I/P, FL

**GENERAL SPECIFICATIONS**
- Input-Out Isolation: I/P-O/P: 3000VAC
- Line Isolation: I/P-Ground: 1500VAC
- O/P-Ground: 500VAC
- Efficiency: 80%, typ
- Switching Frequency: 110Khz, (fixed, typical)
- Safety: EN60950, IEC950
- UL1950
- MTBF: 190,000 Hours

**ENVIRONMENTAL SPECIFICATIONS**
- Oper. Temperature: -10 to +60 DegC(See Derate)
- Over Temp Protection: Latching, recoverable after cooling, and re-power
- Storage Temperature: -25 to +85 DegC *
- Relative Humidity: 0% to +95%, non-cond *

**PHYSICAL SPECIFICATIONS**
- Size: 7” x 4” x 2”
- Construction: Enclosed
- Weight: 1.95 lb, (880g)

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* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

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Rev 4/02