

# BPI350S Universal 350 Watt Series

- 100-240 Vac Universal Input
- Single Output to 350W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop Style



| Model            | Output Voltage<br>DC (V) | Maximum<br>Current (A) | Maximum<br>Watts (W) | Ripple<br>Vp-p max. (mV) |
|------------------|--------------------------|------------------------|----------------------|--------------------------|
| BPI350-S-12-X-XX | 12                       | 25.00                  | 300.0                | 120                      |
| BPI350-S-15-X-XX | 15                       | 20.00                  | 300.0                | 150                      |
| BPI350-S-18-X-XX | 18                       | 19.40                  | 349.2                | 180                      |
| BPI350-S-24-X-XX | 24                       | 14.58                  | 349.9                | 240                      |

| Input Specification |  |
|---------------------|--|
| Input Voltage Range | 100 to 240VAC -10%, +10%                       |
| Line Frequency      | 47 to 63 Hz                                    |
| Input Current       | 5.0A max. at 90VAC Input                       |
| Protection          | Internal Primary Current Fuse, Inrush Limiting |

| Output Specification                        |  |
|---|--|
| Line & Load Regulation<br>(at End of Cable) | Line Voltage +/- 1%  |
|   | Load Voltage +/- 5%  |
| Ripple                                      | 1% Vp-p max.   |
| Transient Response                          | 0.5ms for 50% Load change Typ.                               |
| Protection                                  | Over-current Protection (Hiccup)<br>Short Circuit Protection |

| Environmental Specification |                                |
|-----------------------------|--------------------------------|
| Operating Temperature       | 0°C to 40°C with no derating   |
| Relative Humidity           | 5% to 95% non-condensing       |
| Altitude                    | 0 - 10,000 feet                |
| Cooling                     | Convectional - Non vented case |

| Input Configuration |  |
|---------------------|--|
|                     |  |
| IEC320<br>C14 (F)   |  |

Specify the input configuration Code in your Order.

| Part Number Key     |               |           |                     |                 |
|---------------------|---------------|-----------|---------------------|-----------------|
| <u>BPI350</u>       | <u>S</u>      | <u>12</u> | <u>X</u>            | <u>XX</u>       |
| Product Family Name | Single Output | Volt (DC) | Input Configuration | Customer Number |

| General Specification          |  |
|--------------------------------|--|
| Topology                       | Switching - Half bridge  |
| Leakage Current                | Less than 250uA  |
| Dielectric Withstand           | 4,242VDC Primary - Secondary   |
|                                | 2,150VDC Primary - F.G   |
|                                | 500VDC Secondary - F.G   |
| Storage Temperature            | -30 °C to 85 °C  |
| Efficiency                     | ≥85%   |
| Hold-up Time                   | 18ms min. @115VAC  |
| EMI                            | Complies with EMC Directives   |
| MTBF                           | 100,000 Calculated Hours Minimum.  |
| Approvals and Safety Standards | UL60950-1, IEC/EN60950-1, K60950-1<br>EMC : EN55022 / 55024 / 61000      |
| Case and Dimension             | 12.06(L) x 5.23(W) x 2.47(H) [in]<br>306.5(L) x 133(W) x 62.8(H) [mm]    |
| Case Material                  | Black 94V0 Polycarbonate   |
| Cord and Connectors            | 16 AWG 1,500mm 6 Conductor.<br>Other cable and connectors are available. |