

BH150-54

——SINGLE OUTPUT AC/DC POWER

KEY FEATURES

- Universal Input:
 - 90Vac~265Vac
 - 127Vdc~370Vdc
- 3 Pole AC IEC320-C14 Input Interface
- Active PFC Function , PF \geq 0.95
- Output Protections:SCP/OVP/OLP
- **whole sealing** With Plastic shell
- FCC/CE Meets
- Small size: 172*72*32mm (L*W*H)
- High Efficiency up to 94% Typical
- Wide Operating Temperature: -30~+70°C
- Energy Efficiency Meets: CEC、ERP、LEVEL: VI
- Meets RoHS Standard
- Class | Power (Have ground PIN)
- LED out
- Low output Ripple&Noise
- 2-Years Product Warranty

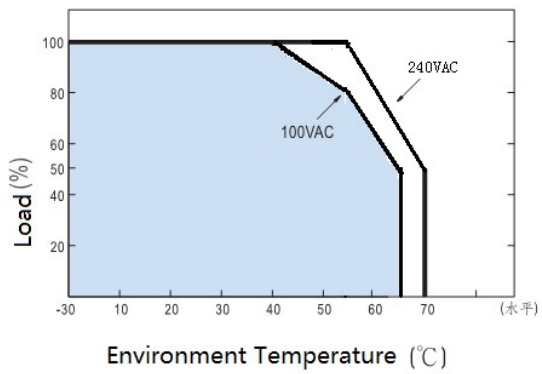


ELECTRICAL SPECIFICATIONS

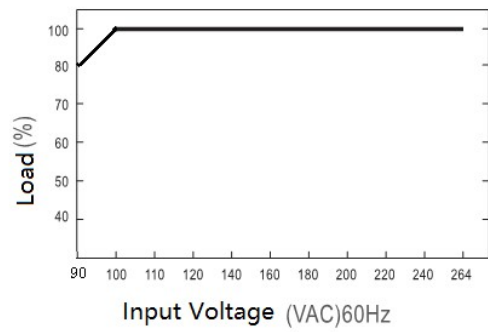
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|--------------------|-------------------|--|
| Model No. | | BH150-54 |
| Max Output Wattage | | 145W |
| output | Voltage(V.DC.) | 54.5V |
| | Output Current | 0~2.68A |
| | Ripple&Noise | 320mVp-p |
| | Voltage Accuracy | $\pm 3.0\%$ |
| | Line Regulation | $\pm 1\%$ |
| | Load Regulation | $\pm 5.0\%$ |
| | Set-up、 Rise Time | 2000ms,20ms/230VAC 2500ms,20ms/115VAC |
| | Hold up Time | 20ms/230VAC 20ms/115VAC |
| input | Operating Voltage | 100~240VAC OR 140~340VDC |
| | Voltage Range | 90~264VAC OR 127~370VDC |
| | Frequency Range | 47~63Hz |

| | | | |
|--------------|--|---|--|
| | Power Factor | PF>0.95/230VAC PF>0.98/115VAC (Full Load) | |
| | Efficiency (Typ) | 94% 230VAC Input | |
| | Input current | 1.5A/115VAC 0.7A/230VAC | |
| | Inrush Current | 50A/240VAC | |
| | Leakage Current | 0.75mA/240VAC | |
| Protection | Over Power | 110%~150% of rated output current Mode: Auto recovery,Hiccup mode | |
| | | Over Voltage | 105%~135% of rated output voltage Mode: Auto recovery,Hiccup mode |
| Environment | Operating Temperature | -30~+70°C (refer to the derating curve) Typical output of BH150-54 refer to the derating curve: 100Vac~240Vac input: 145W output in -30~+40°C 230Vac input: 145W output in -30~+55°C 110Vac input: 120W output in -30~+55°C | |
| | | Humidity | 20~90%RH |
| | | Storage Temp.&Hum | -20~+85°C, 10~95%RH |
| | | Temperature Coefficient | ±0.03%/°C (0~50°C) |
| | Vibration | 10~500Hz, 2G 10min/cycle, 60min.each along X、Y、Z axes | |
| SAFETY & EMC | Safety Standards | UL60950-1,TUV EN60950-1,BSMI CNS14336,CCC GB4943 | |
| | Withstand Voltage | I/P-0/P: 3KVAC | |
| | Isolation Resistance | I/P-0/P: 100M Ohms/500VDC/25°C/70%RH | |
| | EMI Conduction&Radiation | Meet EN55022 class B,EN61000-3-2,3,FCC PART 15/CISPR22 class B,CNS13438 class B,GB9254,GB17625.1 | |
| | EMS Immunity | Meet EN61000-4-2, 3, 4, 5, 6, 8, 11, light industry level,criteriaA | |
| OTHERS | MTBF | ≥290.3Khrs MIL-HDBK-217F(25°C) | |
| | Dimension | 172*72*32mm (L*W*H) | |
| | Packing | 0.66Kg;20pcs/14.2Kg/0.85CUFT | |
| Connector | Plug | refer to Page three; | |
| | Cable | refer to Page three | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load, 25°C 70%RH of ambient temperature.</p> <p>2. Measured at 20MHZ of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF&47uF parallel capacitor.</p> <p>3. Accuracy: Include Set- error、Line Regulation& Load Regulation.</p> <p>4. Line Regulation measure: Full Load , Adjust the input Voltage from low to high.</p> <p>5. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives</p> <p>6. The Set-up time is measured at cold start-up, continuous ON/OFF the power will delay the Set-up time .</p> <p>7. The output must be derated at low input Voltage, refer to the derating curve.</p> | | |

■ Reduction Curve



■ Static characteristic Curve



Mechanical Specification

