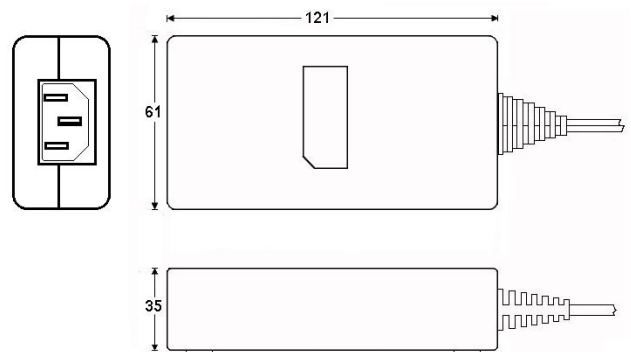


Switch Power Supply

Model : **SB-2808F-11**



Shell Size:



| position | L | W | H |
|--|-------|---|------|
| Unit of length(mm) | 121mm | 61mm | 35mm |
| KEY FEATURES * Universal input * Built-in EMI filter * Optional constant current charger * Optional +8V 1.5A,-8V 0.375A output * Optional output cable and plug | | OUTPUT CURRENT +8 VDC 1.5A PEAK: 2.0A -8 VDC 0.375A PEAK: 0.7A | |
| INPUT * Input range -----90 ~ 264 VAC, universal * Frequency ----- 47 ~ 63Hz * Inrush current ----- 40A Typ. Cold start @ 25 C, 115VAC * Efficiency -----83% Typical at 120/220V AC 50/60Hz input and rated output full load. * Line regulation ----- +/- 0.5% OUTPUT * Maximum power ----- 60W | | | |
| RIPPLE AND NOISE 50mVp-p MAX. 20M Hz bandwidth, peak to peak, measured differentially. 100uf electrolytic capacitor across load. | | | |
| OVER VOLTAGE PROTECTION 14V Max (output voltage over voltage protection point,power supply unit will be no output). | | | |
| SHORT CIRCUIT PROTECTION No damage,smokeless,fireless auto-recover. | | | |
| EMI&EMC | | SAFETY APPROVAL DOE&Erp LEVEL 6 | |

Test at 115V/60Hz report:

| Tested model: | | SB-2808F-11 | | | | Test specimen 1 | | at 115V/60Hz |
|--|------------|----------------------------|------------|---------------|------------|-----------------|-------------|--------------------------|
| Nameplate Output: | | +8V 1.5A,-8V 0.375A | | | | | | |
| Percent of Nameplate Current | | 0% | 10% | 25% | 50% | 75% | 100% | Remark |
| RMS Input Voltage (V) | | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 | 115.0 | |
| Input Frequency (Hz) | | 60 | 60 | 60 | 60 | 60 | 60 | |
| RMS Input Power (W) | | 0.130 | 1.940 | 4.260 | 8.170 | 12.050 | 15.890 | Input Power (Pin) |
| True Power Factor | | 0.110 | 0.340 | 0.390 | 0.440 | 0.470 | 0.490 | |
| Output Voltage (Vdc) | +8V | 7.760 | 7.630 | 7.500 | 7.340 | 7.200 | 7.060 | |
| | -8V | -7.370 | -7.370 | -7.270 | -7.160 | -7.090 | -7.010 | |
| Output Current (A) | +8V | -- | 0.150 | 0.382 | 0.750 | 1.130 | 1.500 | |
| | -8V | -- | 0.038 | 0.094 | 0.188 | 0.281 | 0.375 | |
| Active Output Power (W) | +8V | -- | 1.140 | 2.880 | 5.500 | 8.130 | 10.590 | Output Power(Pout) |
| | -8V | -- | 0.220 | 0.580 | 1.210 | 1.910 | 2.520 | |
| Power Consumed by UUT(W) | | 0.130 | 0.580 | 0.800 | 1.460 | 2.010 | 2.780 | <0.3W at no load*) |
| Efficiency (%) | | -- | 70.103 | 81.221 | 82.130 | 83.320 | 82.505 | (Pout/Pin)*100% |
| Average Efficiency (%) | | -- | -- | 87.647 | | | | >76.41% at active mode*) |
| Note: *) see item 4 of test report for details | | | | | | | | |

Test at 230V/50Hz report:

| Tested model: | | SB-2808F-11 | | | | Test specimen 1 | | at 115V/60Hz |
|------------------------------|------------|----------------------------|------------|------------|------------|-----------------|-------------|--------------------|
| Nameplate Output: | | +8V 1.5A,-8V 0.375A | | | | | | |
| Percent of Nameplate Current | | 0% | 10% | 25% | 50% | 75% | 100% | Remark |
| RMS Input Voltage (V) | | 230 | 230 | 230 | 230 | 230 | 230 | |
| Input Frequency (Hz) | | 50 | 50 | 50 | 50 | 50 | 50 | |
| RMS Input Power (W) | | 0.240 | 2.170 | 4.490 | 8.350 | 12.260 | 16.130 | Input Power (Pin) |
| True Power Factor | | 0.060 | 0.250 | 0.310 | 0.370 | 0.400 | 0.420 | |
| Output Voltage (Vdc) | +8V | 7.790 | 7.660 | 7.610 | 7.230 | 7.130 | 7.050 | |
| | -8V | -7.410 | -7.420 | -7.380 | -7.150 | -7.110 | -7.070 | |
| Output Current (A) | +8V | -- | 0.150 | 0.380 | 0.750 | 1.130 | 1.500 | |
| | -8V | -- | 0.030 | 0.080 | 0.170 | 0.270 | 0.366 | |
| Active Output Power (W) | +8V | -- | 1.140 | 2.890 | 5.420 | 8.050 | 10.570 | Output Power(Pout) |
| | -8V | -- | 0.240 | 0.640 | 1.370 | 2.170 | 2.950 | |
| Power Consumed by UUT(W) | | 0.200 | 0.540 | 0.850 | 1.870 | 2.590 | 3.350 | <0.3W at no load*) |

| | | | | | | | |
|--|----|--------|---------------|--------|--------|--------|--------------------------|
| Efficiency (%) | -- | 73.134 | 81.481 | 79.827 | 81.150 | 81.543 | (Pout/Pin)*100% |
| Average Efficiency (%) | -- | -- | 81.000 | | | | >76.41% at active mode*) |
| Note: *) see item 4 of test report for details | | | | | | | |

