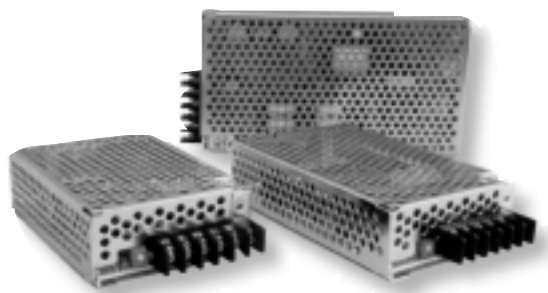




SP50&80U-T

50 AND 80 WATT TRIPLE OUTPUT MODELS



FEATURES

- ✔ **80W POWER FACTOR CORRECTED**
- ✔ **UNIVERSAL INPUT (AC85-264V)**
- ✔ **METAL CHASSIS WITH COVER**
- ✔ **INTERNAL EMI FILTER**
- ✔ **HIGH RELIABILITY**
- ✔ **LOW COST, HIGH PERFORMANCE**
- ✔ **3 YEAR WARRANTY**

SAFETIES / EMI



FCC-B
CISPR-B
VCCI-2

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

Input Voltage.....	AC 100-120 / 200-240V (AC85-264V) (DC110-340V)
Input Frequency.....	50-60 Hz (47-63 Hz)
Input Current (AC 100/240V).....	SP50U .69/.29 (typ), SP80U 1.2/.5 (typ)
Inrush Current.....	SP50U 10/20A., SP80U 15/30A TYP
Voltage Adjust Range.....	CH1: +5%,-0%, CH2: Fixed (Factory Set Accuracy +/- 5%)
Power Factor Correction.....	SP80U 0.95 min. (IEC 1000-3-2)

OUTPUT SPECIFICATIONS

Output Voltage.....	See Chart
Leakage Current.....	0.75 mA RMS max.
Over-Voltage Protection.....	Built In
Over-Current Protection.....	Built In (5V output only)
Line Regulation.....	0.4%
Load Regulation.....	CH1: 2% CH2, CH3 2% min.
Hold-Up Time.....	20m sec. Min.
Rise Time.....	SP50U 500 mSEC. SP80U 1500 mSEC.
Drift.....	0.5%+15mV (8hr. after 1 hr. warm up)
Ripple Noise (DC~100MHz).....	150 mVp-p

GENERAL SPECIFICATIONS

MTBF.....	190,000 Hours
Isolation Voltage	
Primary to Secondary.....	AC 3000V
Primary to Case.....	AC 1500V (1 min. Cut off current)
Secondary to Case.....	AC 500V
Isolation Resistance.....	Input-Output-Case 100-Mohms min. (DC500V)
Vibration	0.5 mm width, 10-55 Hz/1 min. cycle, 3 directions each 30 min.
Shock.....	20G (3 directions, each 3 times)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°-60°C Derates linearly 2.5%/°C after 50°C
Temperature Coefficient.....	±0.02% / °C
Storage Temperature.....	-20°C - 85°C

PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

