MEAN WELL

SWITCHING POWER SUPPLY
ISO-9001 CERTIFIED MANUFACTURER

SPU24 SERIES

.FULL RANGE AC INPUT
.OVER VOLTAGE PROTECTED
.LED INDICATE FOR POWER ON
.FULLY ENCLOSED PLASTIC CASE
.OEM ACCEPTABLE

.COMPACT SIZE, LIGHT WEIGHT
.SHORT CIRCUIT PROTECTED
.100% FULL LOAD BURN-IN TEST
.APPROVALS:UL/CUL/TUV/CE



ORDER NO. / SPECIFICATION	SPU24-1	SPU24-2	SPU24-3	SPU24-4	SPU24-5	SPU24-6	SPU24-7	SPU24-8
SAFETY MODEL NO.	SPU24-1	SPU24-2	SPU24-3	SPU24-4	SPU24-5	SPU24-6	SPU24-7	SPU24-8
DC OUTPUT VOLTAGE	5V	10V	12V	15V	18V	24V	30V	36V
OUTPUT V. TOLERANCE	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT	3A	2.2A	2A	1.6A	1.33A	1A	0.8A	0.66A
OUTPUT CURRENT RANGE	0-3A	0-2.2A	0-2A	0-1.6A	0-1.33A	0-1A	0-0.8A	0-0.66A
RIPPLE & NOISE (Vp-p)	50m	80m	100m	120m	120m	150m	150m	180m
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
DC OUTPUT POWER	15W	22W	24W	24W	24W	24W	24W	23.7W
EFFICIENCY	70%	72%	74%	74%	75%	77%	78%	80%
DC VOLTAGE ADJ.	FIXED							
INPUT VOLTAGE RANGE	90~260VAC 47~63Hz							
AC CURRENT	0.7A/100VAC							
INRUSH CURRENT	COLD START < 30A PEAK/230VAC							
LEAKAGE CURRENT	<0.75mA/240VAC							
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION	110%~145%							
OVER TEMP. PROTECTION	135°C (TYPICAL), THERMAL SHUTDOWN							
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)							
SETUP, RISE, HOLD UP TIME	300ms, 50ms, 16ms							
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES							
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.							
ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M Ohms min.@500VDC							
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, +40°C @ 60%LOAD, 20%~90% RH							
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH							
DIMENSION	106*65*30mm (L*W*H)							
WEIGHT; Q'TY/CARTON	0.23Kgs; 108PCS/CARTON							
SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950, BS7002 APPROVED							
EMC STANDARDS	EN55022 VERIFICATION							
LENGTH OF OUTPUT CABLE	180cm WITH SPT-1, 18AWG*2C							
PLUG OF DC OUTPUT	2.1¢*5.5¢*11mm, CENTER POSITIVE							

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

2003-01-24

Mean Well Brasil