



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SPU50 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



SPECIFICATION	MODEL	SPU50-1	SPU50-2	SPU50-3	SPU50-4	SPU50-5	SPU50-6	SPU50-8	SPU50-9
DC OUTPUT VOLTAGE		5V	10V	12V	15V	18V	24V	36V	48V
OUTPUT V. TOLERANCE		±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT		10A	5.85A	5A	4A	3.33A	2.5A	1.66A	1.25A
OUTPUT CURRENT RANGE		0-10A	0-5.85A	0-5A	0-4A	0-3.33A	0-2.5A	0-1.66A	0-1.25A
RIPPLE & NOISE		80mVp-p	80mVp-p	100mVp-p	100mVp-p	120mVp-p	120mVp-p	180mVp-p	240mVp-p
LINE REGULATION		±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION		±5%	±5%	±3%	±3%	±3%	±3%	±3%	±3%
RATED OUTPUT POWER		50W	58.5W	60W	60W	60W	60W	60W	60W
EFFICIENCY		70%	72%	74%	75%	75%	78%	82%	82%
DC VOLTAGE ADJ.		FIXED							
INPUT VOLTAGE RANGE		90~264VAC, 47~63Hz							
AC CURRENT		1.6A/230VAC							
INRUSH CURRENT		COLD START < 60A PEAK/230VAC							
LEAKAGE CURRENT		<0.35mA/240VAC							
OVERLOAD PROTECTION		PULSING MODE, RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION		105%~145%							
TEMP. COEFFICIENT		±0.03% / °C (0~50°C)							
SETUP,RISE,HOLD UP TIME		800ms, 50ms, 16ms							
VIBRATION		10~500Hz, 2G 3AXES 10min. / 1cycle (1 HOUR / EACH AXES)							
WITHSTAND VOLTAGE		I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC 1min.							
ISOLATION RESISTANCE		I/P-O/P,I/P-FG,O/P-FG:500VDC / 100M Ohms min. @ @							
WORKING TEMP., HUMIDITY		0°C~+25°C @ 100% LOAD,40°C @ 50% LOAD, 20%~90% RH @ @							
STORAGE TEMP., HUMIDITY		-20°C~+85°C, 10%~95% RH							
DIMENSION		146*76*44mm (L*W*H)							
WEIGHT; Q'TY/CARTON		0.7Kgs; 40PCS/CARTON							
SAFETY STANDARDS		UL1950,CSA22.2, TUV EN60950 APPROVED							
EMC STANDARDS		EN55022, IEC801-2,3,4 VERIFICATION							
LENGTH OF OUTPUT CABLE		180cm FOR 12-18V WITH SPT-1, 18AWG*2C; 120cm FOR 5-10V WITH AWM2464							
PLUG OF DC OUTPUT		2.1 X*5.5 X*11mm, CENTER POSITIVE; DIN 5 PIN FOR +5V, +10V							

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE GINCLUDE 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.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

1999-09-17