



40~50W AC-DC Single Output Desktop

U45S series



■ Features :

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Over load / Over voltage
- Fix switching frequency and regulation
- LED indicator for power on
- Fully enclosed plastic case
- Topology: PWM 3882 circuit
- Approvals: UL/ CUL / TUV / CE
- 1 year warranty

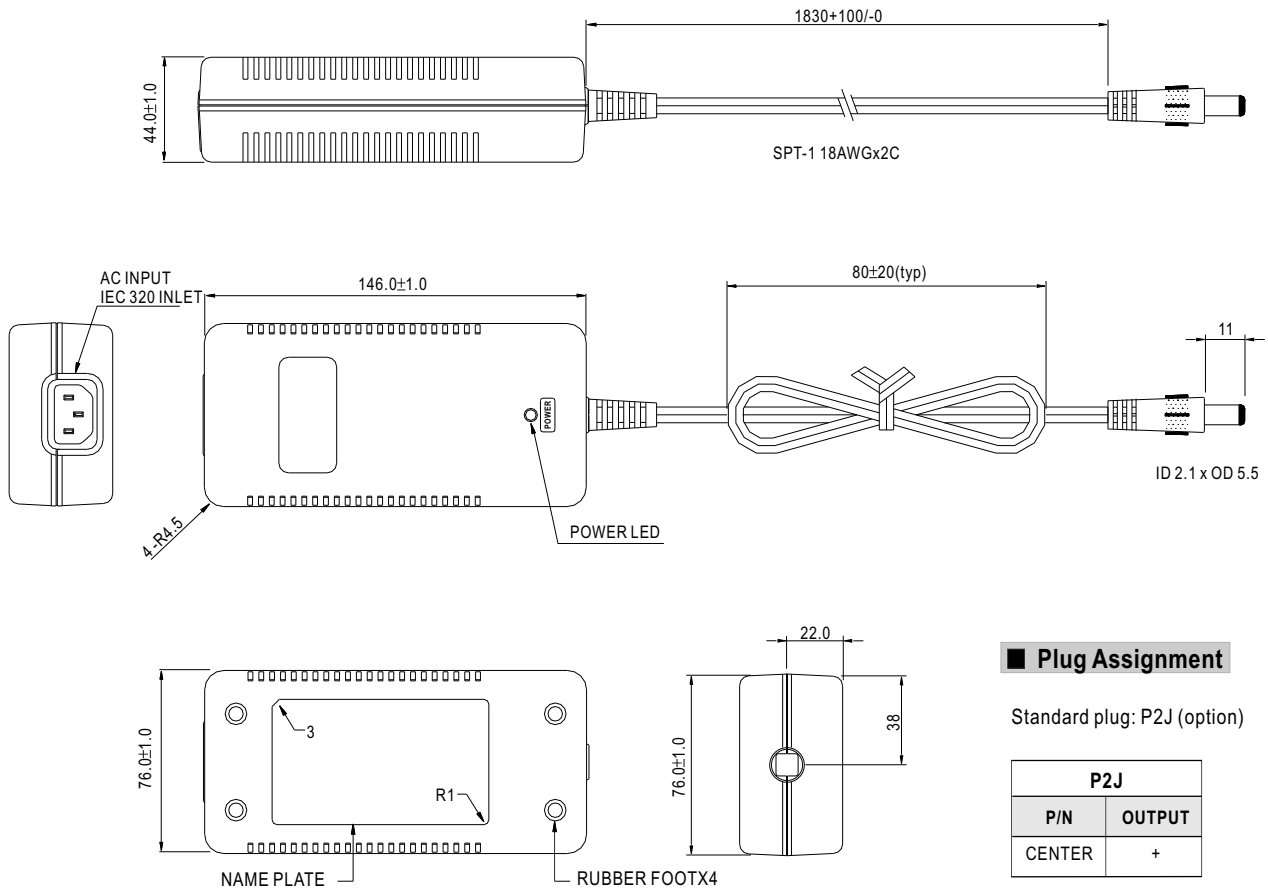


SPECIFICATION

ORDER NO.		U45S102-P2J	U45S103-P2J	U45S104-P2J	U45S105-P2J	U45S106-P2J	U45S107-P2J	U45S108-P2J	U45S111-P2J
OUTPUT	SAFETY MODEL NO.	SPU45E-102	SPU45E-103	SPU45E-104	SPU45E-105	SPU45E-106	SPU45E-107	SPU45E-108	SPU45E-111
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	8.00A	5.60A	5.00A	3.75A	3.00A	2.77A	2.08A	1.04A
	CURRENT RANGE	0~ 8.00A	0 ~ 5.60A	0 ~ 5.00A	0 ~ 3.75A	0 ~ 3.00A	0 ~2.77A	0 ~ 2.08A	0 ~ 1.04A
	RATED POWER	40W	42W	45W	45W	45W	50W	50W	50W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	70mVp-p	80mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	180mVp-p
	VOLTAGE ADJ. RANGE	Fixed							
	VOLTAGE TOLERANCE Note.4	±5.0%	±4.0%	±4.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION Note.6	±4.0%	±3.0%	±3.0%	±2.5%	±1.5%	±1.5%	±1.5%	±1.5%
SETUP, RISE, HOLD TIME		800ms, 50ms, 20ms at full load							
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~370VDC							
	FREQUENCY RANGE	47~63Hz							
	EFFICIENCY (Typ.)	65%	68%	70%	72%	74%	76%	78%	81%
	AC CURRENT	1.35A / 100VAC							
	INRUSH CURRENT (max.)	40A / 230VAC							
	LEAKAGE CURRENT (max.)	0.75mA / 240VAC							
PROTECTION	OVER LOAD	115~150% rated output power							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	110~140% rated output voltage							
		Protection type : Shut down o/p voltage, re-power on to recover							
ENVIRONMENT	WORKING TEMP.	0~+40℃ (Refer to output load derating curve)							
	WORKING HUMIDITY	20%~90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20~+85℃, 10~95% RH							
	TEMP. COEFFICIENT	±0.03% / °C (0~50℃)							
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950 Approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC , I/P-FG:1.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P,I/P-FG:100M Ohms / 500VDC							
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B							
	HARMONIC CURRENT	Compliance to EN61000-3-2,3							
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A							
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F(25℃)							
	DIMENSION	146*76*44mm (L*W*H)							
	PACKING	0.5kg; 25pcs/ 16kg / CARTON							
CONNECTOR	PLUG	Standard type P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested							
	CABLE	Standard type P2J	120cm of SPT-1, 16Awg*2c for +5V output for stock				Other type available by customer requested		
		180cm of SPT-1, 18Awg*2c for 7.5~48V output for stock							
NOTE		1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH. Ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.Tolerance: includes set up tolerance, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load. 7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.							

Mechanical Specification

Unit:mm

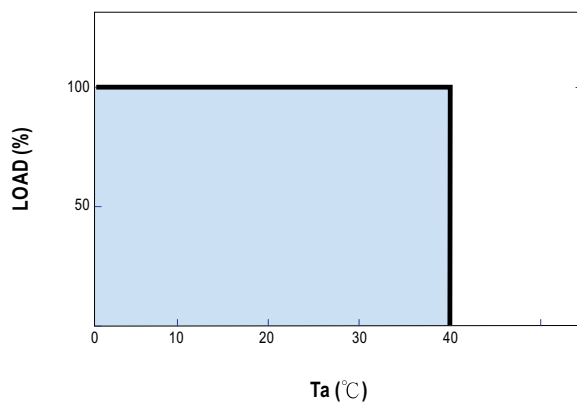


Plug Assignment

Standard plug: P2J (option)

P2J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

