



42W AC-DC Triple Output Desktop

U45T series



■ Features :

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- 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

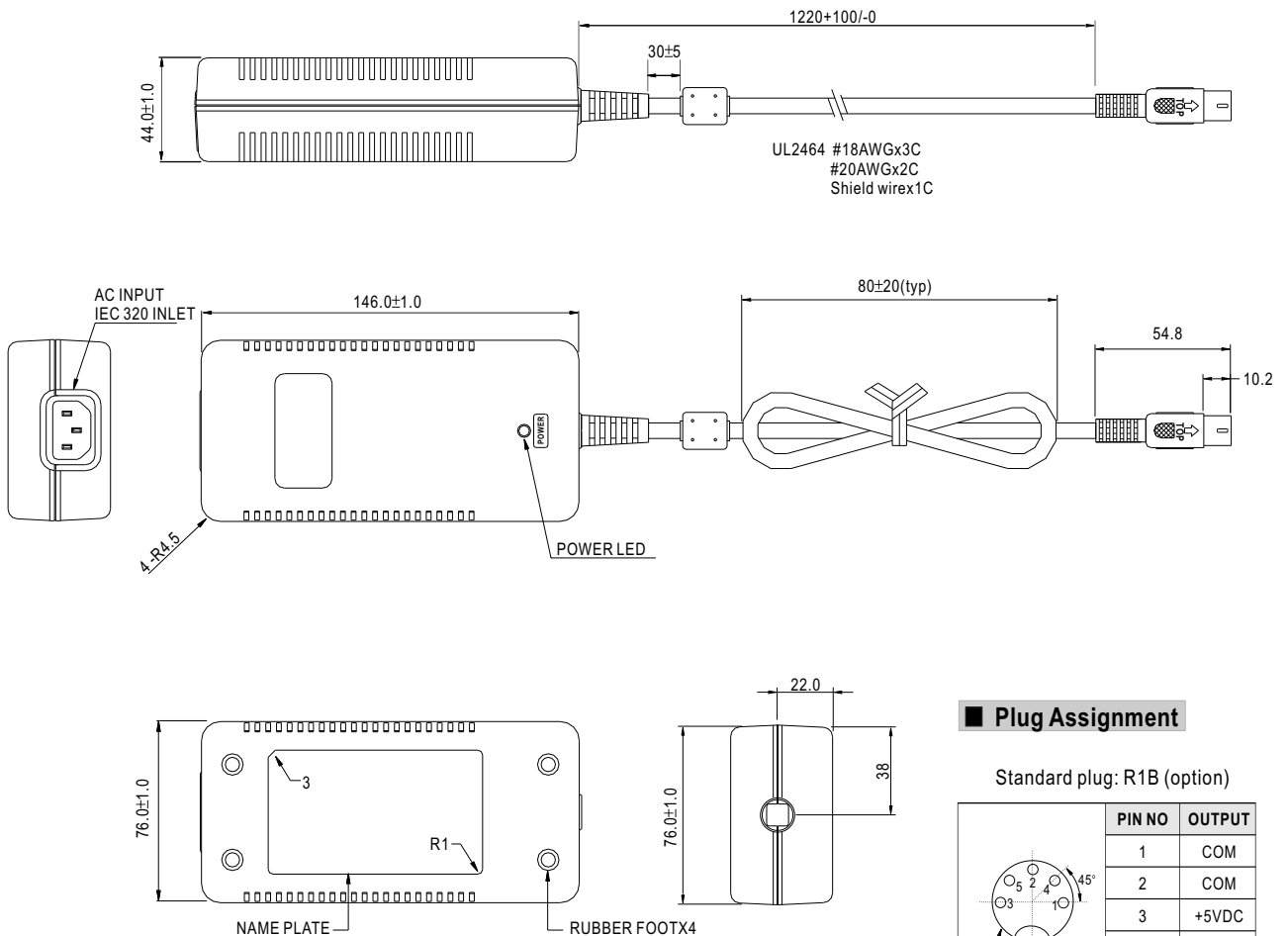


SPECIFICATION

ORDER NO.		U45T301-R1B			U45T302-R1B			U45T303-R1B		
OUTPUT	SAFETY MODEL NO.	SPU45E-301			SPU45E-302			SPU45E-303		
	DC VOLTAGE Note.2	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
	RATED CURRENT	3.5A	1.8A	0.5A	5.0A	1.0A	0.3A	3.5A	1.2A	0.3A
	CURRENT RANGE	0.5~ 3.5A	0.3 ~ 1.8A	0.1 ~ 0.5A	0.5 ~ 5.0A	0.2 ~1.0A	0.1 ~0.3A	0.5 ~ 3.5A	0.3 ~ 1.2A	0.1 ~ 0.3A
	RATED POWER	42W			42W			42W		
	RIPPLE & NOISE (max.) Note.3	50mVp-p	100mVp-p	100mVp-p	50mVp-p	100mVp-p	100mVp-p	50mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	Fixed								
	VOLTAGE TOLERANCE Note.4	±6.0%	±6.0%	±12%	±6.0%	±6.0%	±12%	±6.0%	±6.0%	±12%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.6	±5.0%	±5.0%	±10%	±5.0%	±5.0%	±10%	±5.0%	±5.0%	±10%
SETUP, RISE, HOLD TIME		800ms, 50ms, 20ms at full load								
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~370VDC								
	FREQUENCY RANGE	47~63Hz								
	EFFICIENCY (Typ.)	70%			70%			72%		
	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	+5V: 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	±0.04%/℃ (0~50℃)								
	VIBRATION	10~200Hz, 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								
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A								
	MTBF	100K hrs min. MIL-HDBK-217F (25℃)								
	DIMENSION	146*76*44mm (L*W*H)								
	PACKING	0.5kg; 25pcs/ 17kg / CARTON								
CONNECTOR	PLUG	Standard type R1B: DIN 5PIN for stock ; Other type available by customer requested								
	CABLE	Standard type UL2464 18AWG*3C 20AWG*2C with ferrite core, 4fts length for stock ; Other type available by customer requested								
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

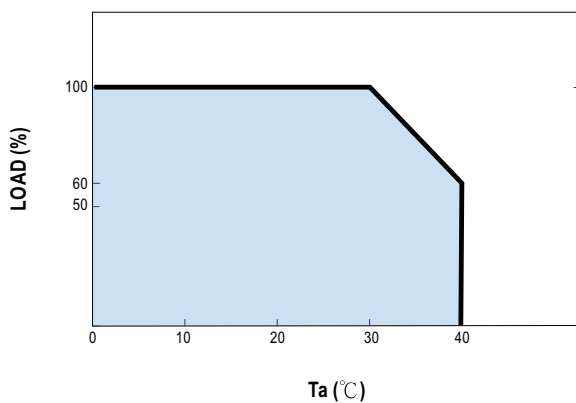


Plug Assignment

Standard plug: R1B (option)

PIN NO	OUTPUT
1	COM
2	COM
3	+5VDC
4	-Vout
5	+Vout

Derating Curve



Static Characteristics

