



- 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

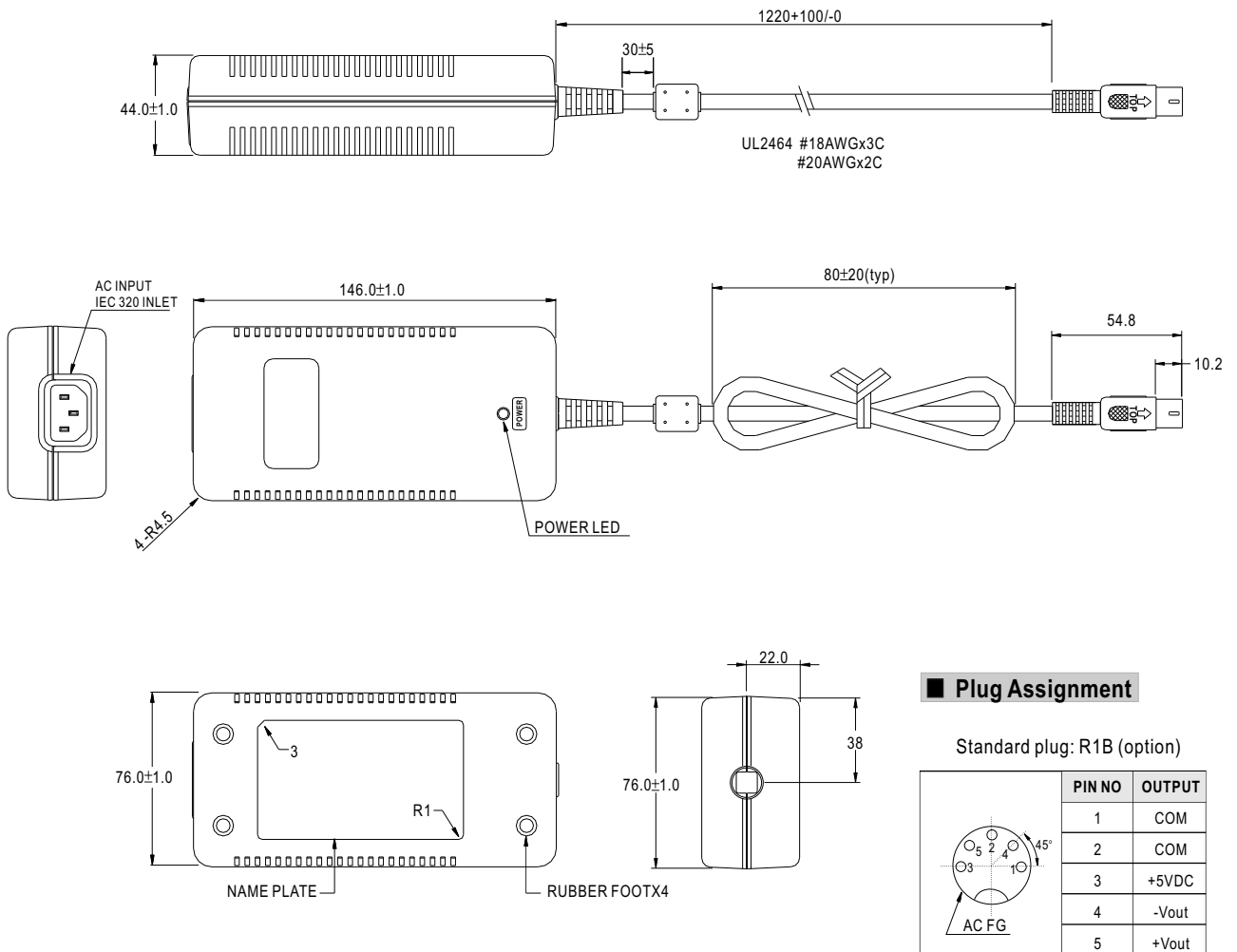


SPECIFICATION

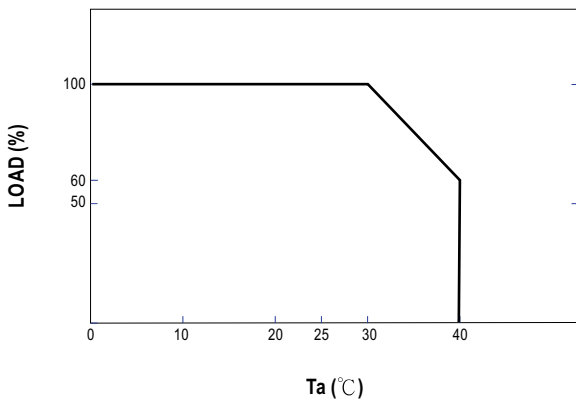
ORDER NO.		U45T301-R1B			U45T302-R1B			U45T303-R1B		
OUTPUT	SAFETY MODEL NO.	SPU45E-301			SPU45E-302			SPU45E-303		
	DC VOLTAGE <small>Note.2</small>	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
	RATED CURRENT	3.5A	1.8A	0.5A	5.0A	1.0A	0.3A	3.5A	1.2A	0.3A
	CURRENT RANGE	0.5~ 3.5A	0.3 ~ 1.8A	0.1 ~ 0.5A	0.5 ~ 5.0A	0.2 ~1.0A	0.1~0.3A	0.5 ~ 3.5A	0.3 ~ 1.2A	0.1 ~ 0.3A
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	100mVp-p	100mVp-p	50mVp-p	100mVp-p	100mVp-p	50mVp-p	100mVp-p	100mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±6.0%	±6.0%	±12%	±6.0%	±6.0%	±12%	±6.0%	±6.0%	±12%
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION <small>Note.6</small>	±5.0%	±5.0%	±10%	±5.0%	±5.0%	±10%	±5.0%	±5.0%	±10%
	RATED POWER	42W			42W			42W		
	VOLTAGE ADJ. RANGE	Fixed								
SETUP, RISE, HOLD TIME	800ms, 50ms, 20ms at full load									
INPUT	VOLTAGE RANGE	90 ~ 264VAC								
	FREQUENCY RANGE	47~63Hz								
	EFFICIENCY (Typ.)	70%			70%			72%		
	AC CURRENT	1.35A / 100VAC								
	INRUSH CURRENT (max.)	COLD START < 40A peak / 230VAC								
	LEAKAGE CURRENT	< 0.75mA / 240VAC								
PROTECTION	OVER LOAD	Hiccup mode, Reset: auto recovery								
	OVER VOLTAGE	110~140% of rated output voltage								
ENVIRONMENT	WORKING TEMP., HUMIDITY	0~+30°C @100% load, 40°C @ 60% load, 20%~90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20~+85°C, 10~95% RH								
	TEMP. COEFFICIENT	±0.04%/°C (0~50°C)								
	VIBRATION	10~200Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS	UL1950, CSA22.2 ; TUV EN60950 Approved								
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) Class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,3 Class A								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A								
	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								
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F Part-count GB								
	DIMENSION	146*76*44mm (L*W*H)								
	PACKING	0.5Kgs/pcs, 25pcs/ 17Kgs/ CTN								
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	<p>1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH. Ambient.</p> <p>2. DC voltage: The output voltage set at point measure by plug terminal & 50% load.</p> <p>3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.</p> <p>4. Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5. Line regulation is measured from low line to high line at rated load.</p> <p>6. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load .</p>									

Mechanical Specification

Unit:mm



Derating Curve



Static Characteristics

