



- 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

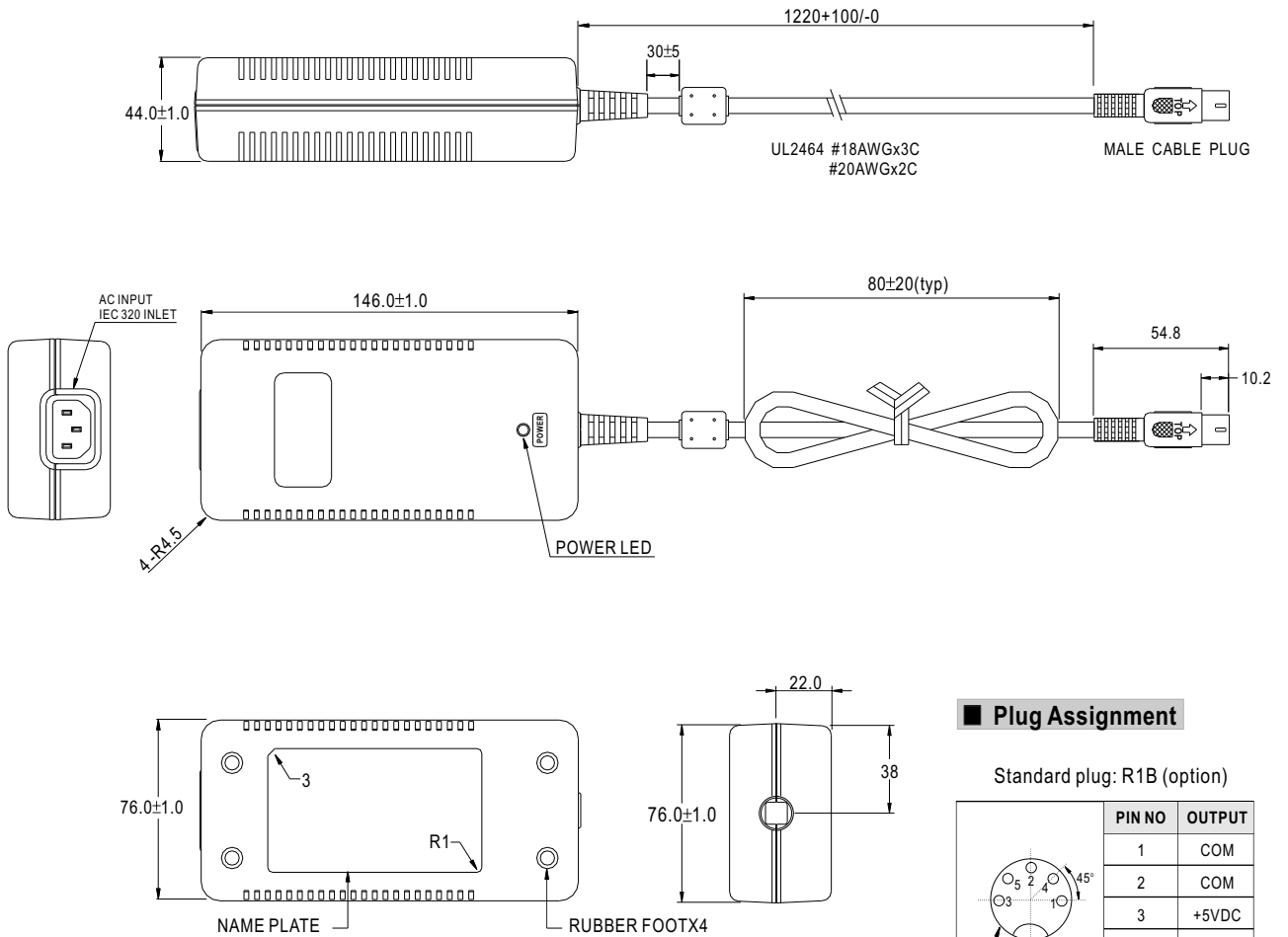


### SPECIFICATION

ORDER NO.		U45D201-R1B		U45D202-R1B		U45D203-R1B	
OUTPUT	SAFETY MODEL NO.	SPU45E-201		SPU45E-202		SPU45E-203	
	DC VOLTAGE <small>Note.2</small>	5V	12V	5V	15V	5V	24V
	RATED CURRENT	3.5A	2.0A	3.5A	1.5A	3.5A	1.0A
	CURRENT RANGE	0.5~ 3.5A	0.3 ~ 2.0A	0.5 ~ 3.5A	0.3 ~1.5A	0.5 ~ 3.5A	0.2 ~ 1.0A
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	100mVp-p	50mVp-p	120mVp-p	50mVp-p	150mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±4.0%	±6.0%	±4.0%	±6.0%	±4.0%	±6.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION <small>Note.6</small>	±3.0%	±5.0%	±3.0%	±5.0%	±3.0%	±5.0%
	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%		72%		74%	
	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 &amp; 50% load.</p> <p>3. Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 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

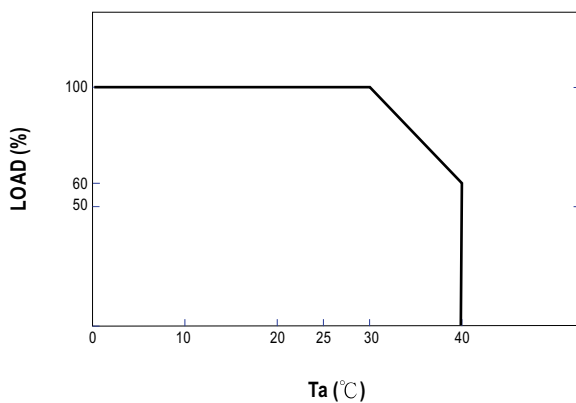


## Plug Assignment

Standard plug: R1B (option)

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

## Derating Curve



## Static Characteristics

