



## Features:

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

## **SPECIFICATION**

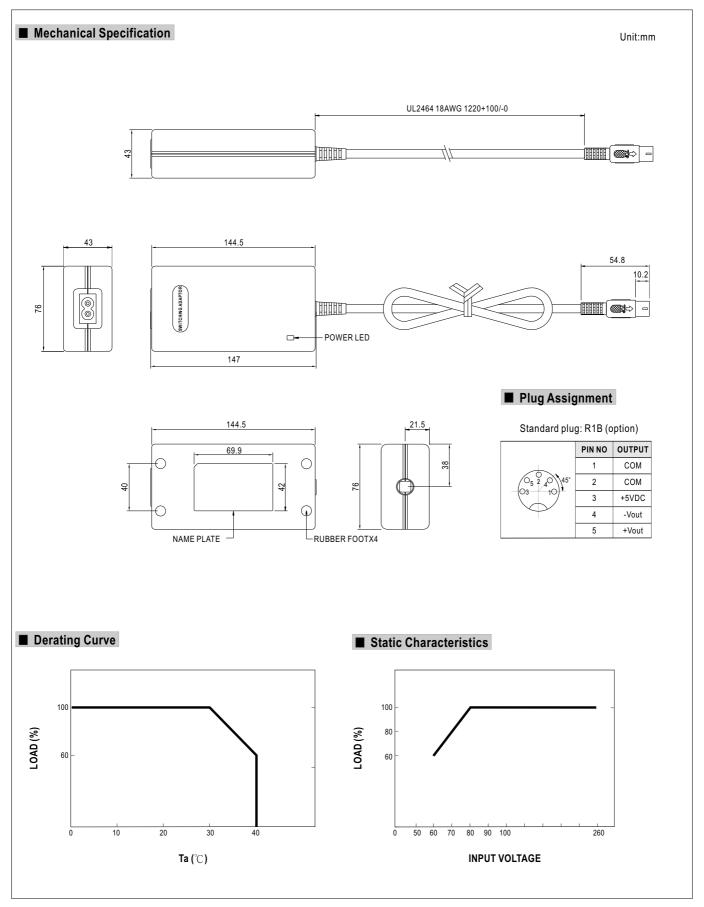


ORDER NO.		P50A13-R1B		P50A14-R1B		P50A16-R1B				
	SAFETY MODEL NO.	PSU50A-13		PSU50A-14		PSU50A-16				
	DC VOLTAGE Note.2	5V	12V	5V	15V	5V	24V			
	RATED CURRENT	4A	2A	4A	1.8A	4A	1A			
	CURRENT RANGE	0.5 ~ 4.0A	0.1 ~ 2.0A	0.5 ~ 4.0A	0.1 ~1.8A	0.5 ~ 4.0A	0.1 ~ 1.0A			
OUTPUT	RATED POWER	44W	·	47W	·	49W				
	RIPPLE & NOISE (max.) Note.3	50mVp-p	100mVp-p	50mVp-p	50mVp-p 100mVp-p		50mVp-p 100mVp-p			
	VOLTAGE ADJ. RANGE	Fixed								
	VOLTAGE TOLERANCE Note.4	±6.0%	±10%	±6.0%	±10%	±6.0%	±10%			
	LINE REGULATION Note.5	GULATION Note.5 ±1.0%		±1.0%	±1.0%	±1.0%	±1.0%			
	OAD REGULATION Note.6 ±5.0%		±9.0%	±5.0%	±9.0%	±5.0%	±9.0%			
	SETUP, RISE, HOLD UP TIME	1.5s, 50ms, 12ms	at full load	<u> </u>						
	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC								
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	70% 74% 75%								
	AC CURRENT	1.6A/100VAC								
	INRUSH CURRENT (max.)	40A/230VAC								
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC								
	( )	150 ~ 250% rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		5V: 110 ~ 140% of rated output voltage								
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	0 ~ +40°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY &	SAFETY STANDARDS	UL1950, CSA22.2, EN60950-1 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 / 25°C / 70% RH								
EMC	EMI CONDUCTION & RADIATION									
(Note. 7)	HARMONIC CURRENT	Compliance to EN61000-3-2,3								
	EMS IMMUNITY	Compliance to ENG1000-0-2,3  Compliance to ENG1000-4-2,3,4,5,6,11, ENV50204, light industry level, criteria A								
OTHERS	MTBF	280K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	147*76*43mm (L*	,	~ <i>,</i>						
	PACKING	0.55kg; 36pcs / 21kg / CARTON								
	PLUG	Standard type R1B: DIN 5PIN for stock; Other type available by customer requested								
CONNECTOR	CABLE	Standard type AVM2464 18Awg*4c with shiell 4ft for stock; Other type available by customer requested								
NOTE	1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerence: includes set up 1 5.Line regulation is measure 6.Load regulation is measure 7.The power supply is consid EMC directives.	I at 230VAC input, age set at point med at 20MHz by us tolerance, line regul from low line to he from 20% to 100	rated load, 25°C 70 easure by plug term ing a 12" twisted paulation, load regulatiigh line at rated load rated load.	0% RH ambient. ninal & 50% load. air terminated with a ( on. d.	0.1uf & 47uf capacitor					

File Name:P50A-D-SPEC 2007-05-14













## Features:

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Fix switching frequency and regulation
- Topology: PWM 3882 circuitLED indicator for power on
- Approvals: UL / CUL / TUV / CB / CE
- 1 year warranty

## **SPECIFICATION**



ORDER NO.		P50A13A-R1B			P50A13D-R1B			P50A14E-R1B				
SAFETY MODEL NO.		PSU50A-13A			PSU50A-13D			PSU50A-14E				
ОИТРИТ	DC VOLTAGE Note.2	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V		
	RATED CURRENT	4A	2A	0.5A	4A	2A	0.5A	4A	1.5A	0.5A		
	CURRENT RANGE	0.5 ~ 4.0A	0.5 ~ 2.0A	0.1 ~ 0.5A	0.5 ~ 4.0A	0.5 ~2.0A	0.1 ~0.5A	0.5 ~ 4.0A	0.5 ~ 1.5A	0.1 ~ 0.5A		
	RATED POWER	46.5W			50W			50W				
	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%	±10%	±12%	±6.0%	±10%	±12%	±6.0%	±10%	±12%		
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULATION Note.6	±5.0%	±10%	±10%	±5.0%	±10%	±10%	±5.0%	±10%	±10%		
	SETUP, RISE, HOLD UP TIME	1.5s, 50ms, 1	2ms at full load	d				•				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~ 370VAC										
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	70%			72%			74%				
	AC CURRENT	1.6A / 100VA	1.6A / 100VAC									
	INRUSH CURRENT (max.)	40A / 230VAC										
	LEAKAGE CURRENT (max.)	0.75mA / 240\	/AC									
PROTECTION	01/501.040	150 ~ 250% rated output power										
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed										
	OVED VOLTA OF	5V: 110 ~ 140% of rated output voltage										
	OVER VOLTAGE	Protection typ	Protection type : Shut down o/p voltage, re-power on to recover									
ENVIRONMENT	WORKING TEMP.	0 ~ +40°C (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°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL1950, CSA22.2, EN60950-1 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 / 25°C / 70% RH										
		Compliance to EN55022(CISPR22) class B										
	HARMONIC CURRENT	Compliance to EN61000-3-2,3										
	MTBF	Compliance to EN61000-4-2,3,4,5,6,11, ENV50204, light industry level, criteria A										
		280K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	147*76*43mm (L*W*H)										
CONNECTOR	PACKING PLUG	0.55kg; 36pcs / 21kg / CARTON  Standard type D1B; DIN FDIN for stack . Other type qualible by systemory requested.										
	CABLE	Standard type R1B: DIN 5PIN for stock; Other type available by customer requested										
NOTE	1.All parameters are specified 2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerence: includes set up t 5.Line regulation is measured 6.Load regulation is measured	Il parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.  C voltage: The output voltage set at point measure by plug terminal & 50% load. ipple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. olerence: includes set up tolerance, line regulation, load regulation. ne regulation is measured from low line to high line at rated load. oad regulation is measured from 20% to 100% rated load. he 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										



