MEAN WELL

24~66W AC-DC Single Output Desktop

P66A series

Features :

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Fix switching frequency and regulation
- Topology: Top switch circuit
- Pass LPS for 16~48V
- LED indicator for power on
- Approvals: UL / CUL / TUV / CB / CE
- 2 years warranty

SPECIFICATION

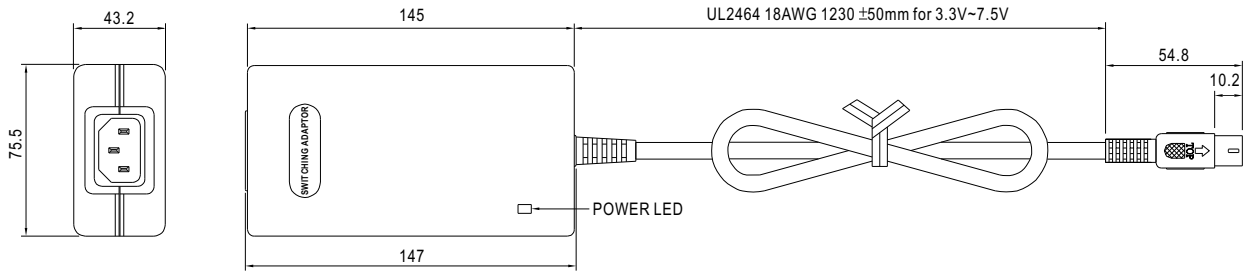
ORDER NO.			P66A-0R1B	P66A-1R1B	P66A-1-1R1B	P66A-2P2J	P66A-3P2J	P66A-4P2J	P66A-5P2J	P66A-6P2J	P66A-7P2J	P66A-8P2J
OUTPUT	SAFETY MODEL NO.		PSU66A-0	PSU66A-1	PSU66A-1-1	PSU66A-2	PSU66A-3	PSU66A-4	PSU66A-5	PSU66A-6	PSU66A-7	PSU66A-8
	DC VOLTAGE Note.2		3.3V	5V	7.5V	9V	12V	15V	18V	24V	30V	48V
	RATED CURRENT		7.27A	8.50A	6.40A	5.55A	5.50A	4.40A	3.66A	2.75A	2.2A	1.37A
	CURRENT RANGE		0 ~ 7.27A	0 ~ 8.50A	0 ~ 6.40A	0 ~5.55A	0 ~ 5.50A	0 ~ 4.40A	0 ~ 3.66A	0 ~ 2.75A	0 ~ 2.2A	0 ~ 1.37A
	RATED POWER		24W	42.5W	48W	50W	66W	66W	66W	66W	66W	66W
	RIPPLE & NOISE (max.) Note.3		50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE		3 ~ 5V	5 ~ 6V	6 ~ 8V	8 ~ 11V	11 ~ 13V	13 ~ 16V	16 ~ 21V	21 ~ 27V	27 ~ 33V	33 ~ 48V
			Fixed output by internal VR									
	VOLTAGE TOLERANCE Note.4		±6.0%	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION Note.5		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.6		±5.0%	±5.0%	±4.0%	±4.0%	±4.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE, HOLD UP TIME		1s, 50ms, 16ms at full load									
INPUT	VOLTAGE RANGE		90 ~ 264VAC 135 ~ 370VDC									
	FREQUENCY RANGE		47 ~ 63Hz									
	EFFICIENCY (Typ.)		65%	70%	75%	75%	78%	80%	82%	82%	82%	83%
	AC CURRENT		1.5A / 100VAC									
	INRUSH CURRENT (max.)		40A / 230VAC									
	LEAKAGE CURRENT (max.)		0.75mA / 240VAC									
PROTECTION	OVERLOAD		110 ~ 160% 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									
	OVER TEMPERATURE		IC1Tj135℃									
			Protection type : Shut down o/p voltage, recovers automatically after temperature goes down									
ENVIRONMENT	WORKING TEMP.		0 ~ +50℃ (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% / ℃ (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, EN60950-1 approved									
	WITHSTAND VOLTAGE		I/P-O/P:3KVAC, I/P-FG:1.5KVAC									
	ISOLATION RESISTANCE		I/P-O/P, IP/FG:100M Ohms / 500VDC / 25℃/ 70% RH									
	EMI CONDUCTION & RADIATION		Compliance to EN55022(CISPR22) class B									
	HARMONIC CURRENT		Compliance to EN61000-3-2,-3									
	EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,11, ENV50204, light industry level, criteria A									
OTHERS	MTBF		300khrs min. MIL-HDBK-217F(25℃)									
	DIMENSION		147*75.5*43.2mm (L*W*H)									
	PACKING		0.55kg ; 36pcs / 21kg / CARTON									
CONNECTOR	PLUG	STANDARD TYPE	3~8V R1B: DIN 5 Pin for stock; Other type available by customer requested									
			8~48V P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested									
	CABLE	STANDARD TYPE	3~8V AWM2464 18Awg*4c with shiell 4ft for stock see page 2; Other type available by customer requested									
			8~48V18Awg*2c SPT-1 6ft for stock see page 2; Other type available by customer requested									

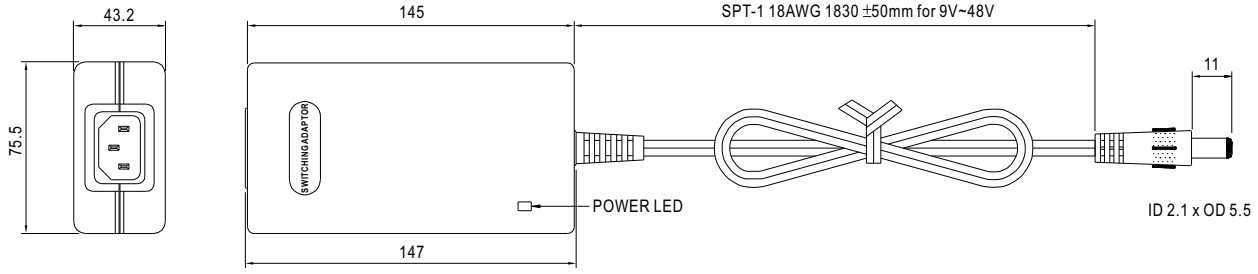
NOTE

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.Tolerence: 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

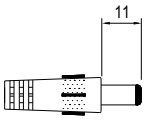




■ Plug Assignment

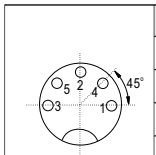
Standard plug: 8~48V P2J (option)

P2J	
P/N	OUTPUT
CENTER	+



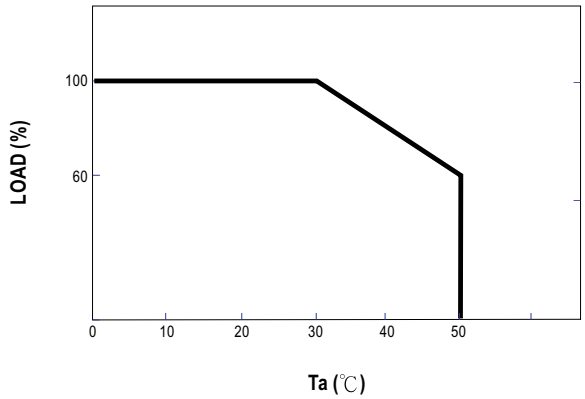
ID 2.1 x OD 5.5

Standard plug: 3~8V R1B (option)



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

■ Derating Curve



■ Static Characteristics