



24~66W AC-DC Single Output Desktop

66W

MW P66a series

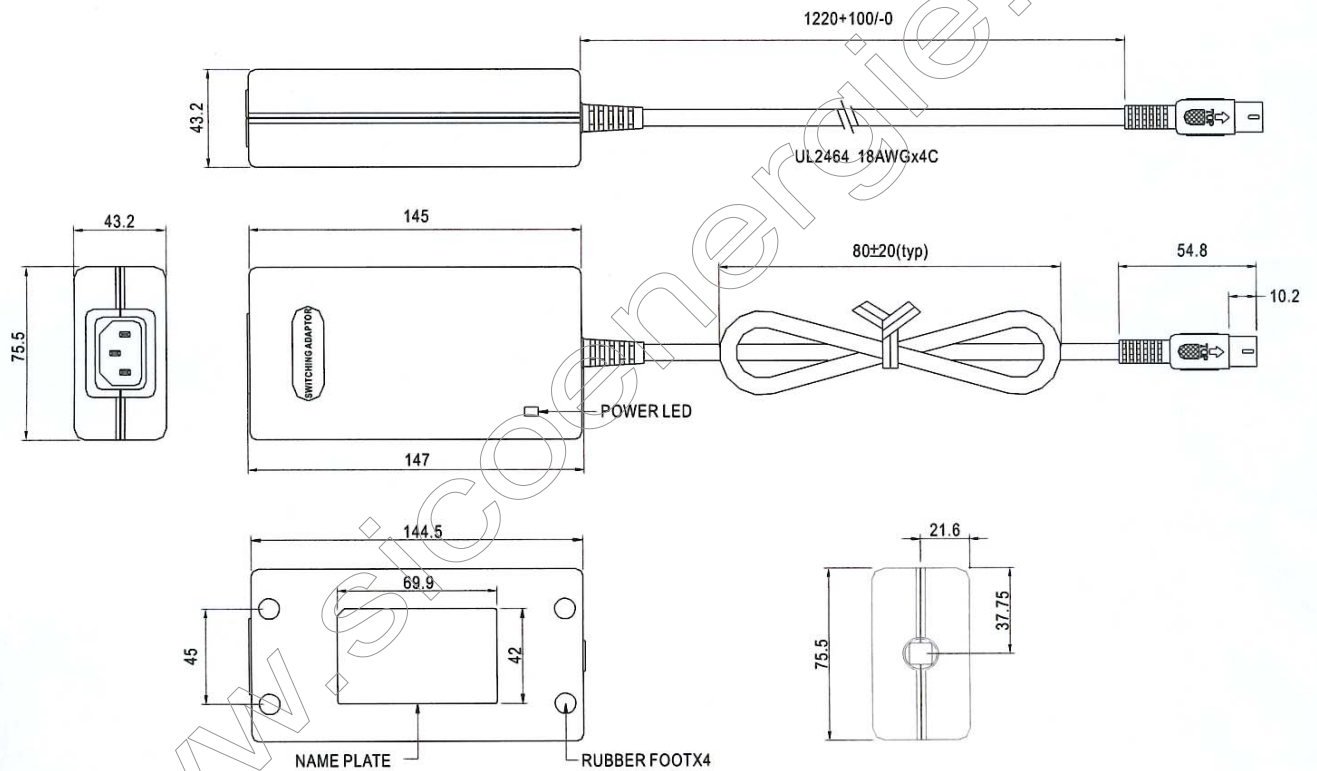


Features :

- . 3 pole AC inlet IEC320-C14
- . Class1 power (with earth pin)
- . Full output 3~48V safety approval
- . Protections: Short circuit / Over load / Over voltage
- . Fix switching frequency and regulation
- . LED indicator for power on
- . Fully enclosed plastic case
- . Pass LPS for 16~48V
- . Topology : Top Switch circuit
- . Approvals : UL / cUL / TUV / CB / CE

■ Mechanical Specification

Unit:mm

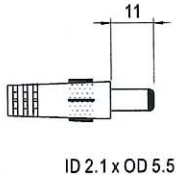




P66A series		P66A 0R1B	P66A 1R1B	P66A 1-1R1B	P66A 2P2J	P66A 3P2J	P66A 4P2J	P66A 5P2J	P66A 6P2J	P66A 8P2J		
OUTPUT	SAFETY MODEL N°	PSU66A-0	PSU66A-1	PSU66A-1-1	PSU66A-2	PSU66A-3	PSU66A-4	PSU66A-5	PSU66A-6	PSU66A-8		
	DC VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V		
	RATED CURRENT	7.27A	8.5A	6.40A	5.55A	5.50A	4.40A	3.66A	2.75A	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	0~1.37A		
	RATED POWER	24W	42.5W	48W	50W	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		
	VOLTAGE ADJ. RANGE	Fixed output by internal VR										
	VOLTAGE TOLERANCE note 4	±6%	±6%	±5%	±5%	±5%	±3%	±3%	±2%	±2%		
	LINE REGULATION note 5	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%		
	LOAD REGULATION note 6	±5%	±5%	±4%	±4%	±4%	±2%	±2%	±1%	±1%		
	SETUP, RISE, HOLD TIME	1s, 50mS, 16mS at full load										
INPUT	VOLTAGE RANGE	90~264 VAC 135~370VDC										
	FREQUENCY RANGE	47~63Hz										
	EFFICIENCY (typ.)	65%	70%	75%	75%	78%	80%	82%	82%	83%		
	AC CURRENT	1.5A / 100VAC										
	INRUSH CURRENT (max.)	40A / 230VAC										
PROTECTION	LEAKAGE CURRENT (max.)	0.75mA / 240VAC										
	OVER LOAD	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										
ENVIRONMENT	OVER TEMPERATURE	IC1Tj 135°C Protection type : Shut down o/p voltage, recovers automatically after temperature goes down										
	WORKING TEMPERATURE	0~50°C (refer the derating curve)										
	WORKING HUMIDITY	20%~90% RH non condensing										
	STORAGE TEMP., HUMID.	-20~+85°C, 10~95% R.H.										
	TEMPERATURE COEFFICIENT	±0.03%/°C (0~50°C)										
SAFETY & EMC	VIBRATION	10~500Hz, 2G 10min./cycle, period for 60min each along x, y, z axes										
	SAFETY STANDARDS	UL1950, CSA22.2, EN60950 approved.										
	WITHSTAND VOLTAGE	I/P-O/P : 3KVAC, I/P-FG : 1.5KVAC										
	ISOLATION RESISTANCE	I/P-O/P, IP/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, 11, ENV50204, Light industry level, criteria A										
	MTBF	300Khrs min. MIL-HDBK-217F (25°C)										
	DIMENSIONS	147 x 75.5 x 43.2 mm (L x W x H)										
CONNECTOR	PACKING	0.55Kg pc ; 36pcs / carton / 21Kg										
	PLUG	STANDARD TYPE	3~8V R1B:DIN 5 pin for stock ; other available by customer requested								8~48V P2J : 2.1φ * 5.5 φ * 11mm, center positive for stock ; other type available by customer requested	
			3~8V AWM2464 18Awg * 4cwith shiell 4ft for stock; other type available by customer requested								8~48V 18Awg*2c SPT-1 6ft for stock ; other type available by customer requested	
	CABLE	STANDARD TYPE										
Note :	<ol style="list-style-type: none"> All parameters are specified at 230VAC input, rated load, 25°C 70% R.H. ambient. DC voltage : the output voltage set at point measure by plug terminal & 50% load. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μF & 47μF capacitor. Tolerance : include set up tolerance, line regulation, load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that is still meets EMC directives. 											



■ Plug Assignment



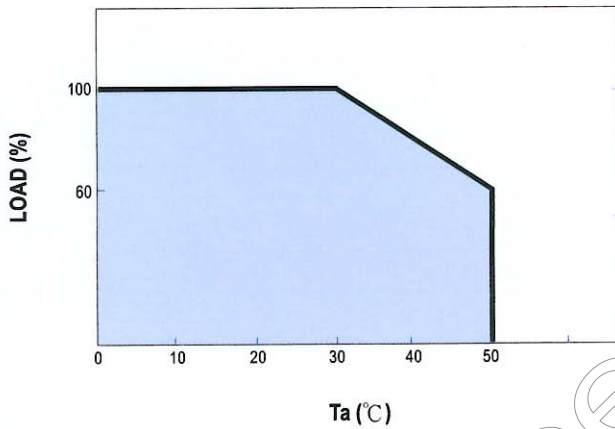
Standard plug: 8~48V P2J (option)

P2J	
P/N	OUTPUT
CENTER	+

Standard plug: 3~8V R1B (option)

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

■ Derating Curve



■ Static Characteristics

