



15~24W AC-DC Single Output Desktop

U24S series



■ Features :

- 3 pole AC inlet IEC320-C14
- Class I 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
- Topology: PWM 3882 circuit
- Approvals: UL/ CUL/ TUV/ CE
- 1 year warranty

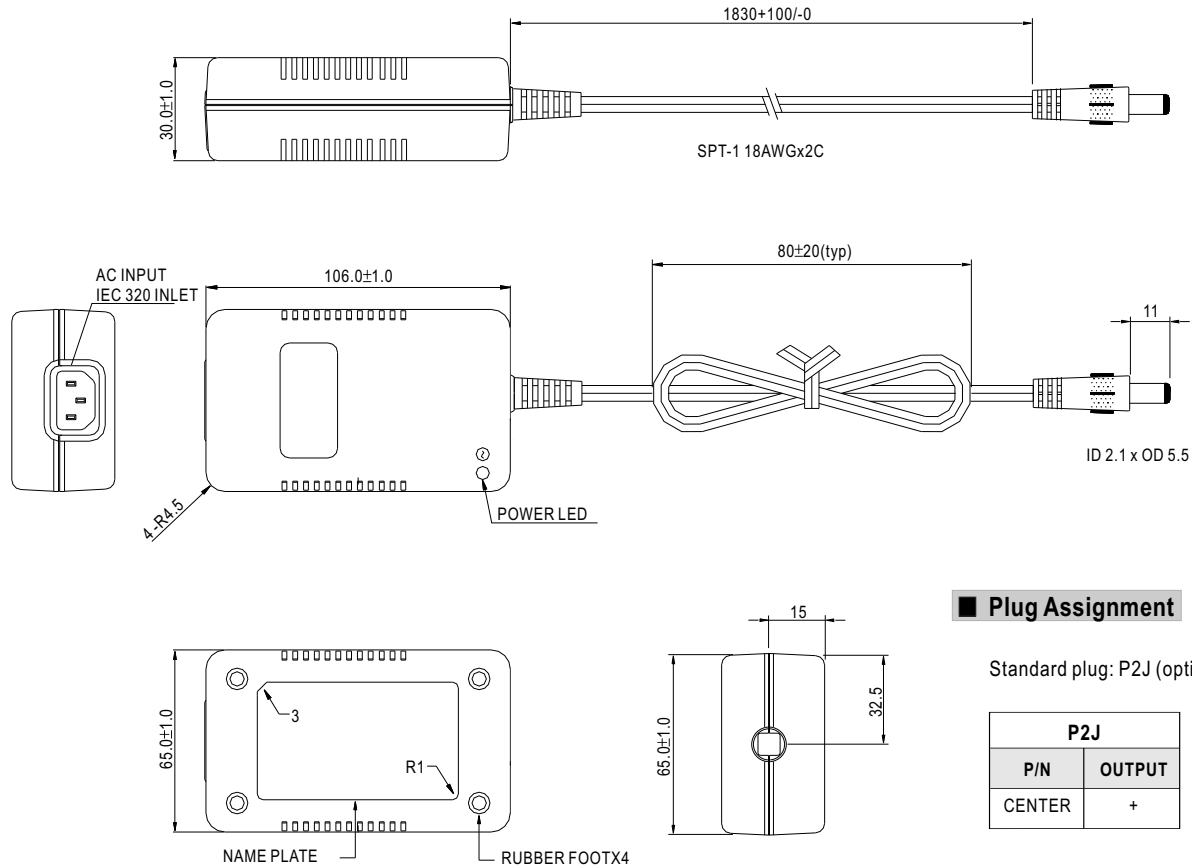


SPECIFICATION

ORDER NO.		U24S102-P2J	U24S103-P2J	U24S104-P2J	U24S105-P2J	U24S106-P2J	U24S107-P2J	U24S108-P2J	U24S109-P2J	U24S110-P2J	U24S111-P2J
OUTPUT	SAFETY MODEL NO.	SPU24-102	SPU24-103	SPU24-104	SPU24-105	SPU24-106	SPU24-107	SPU24-108	SPU24-109	SPU24-110	SPU24-111
	DC VOLTAGE <small>Note.2</small>	5V	7.5V	9V	12V	15V	18V	24V	30V	36V	48V
	RATED CURRENT	3A	2.66A	2.44A	2A	1.6A	1.33A	1A	0.8A	0.66A	0.5A
	CURRENT RANGE	0~3A	0~2.66A	0~2.44A	0~2A	0~1.6A	0~1.33A	0~1A	0~0.8A	0~0.66A	0~0.5A
	RATED POWER	15W	20W	22W	24W	24W	24W	24W	24W	23.7W	24W
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	75mVp-p	90mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	180mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	Fixed									
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
INPUT	LOAD REGULATION <small>Note.6</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD TIME	800ms, 50ms, 16ms at full load									
	VOLTAGE RANGE	90~264VAC 135~370VDC									
	FREQUENCY RANGE	47~63Hz									
	EFFICIENCY (Typ.)	67%	70%	72%	74%	74%	75%	77%	77%	78%	78%
	AC CURRENT	0.7A / 100VAC									
PROTECTION	INRUSH CURRENT (max.)	40A / 230VAC									
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC									
	OVER LOAD	115~160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed									
ENVIRONMENT	OVER VOLTAGE	110~140% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover									
	WORKING TEMP.	0~+70℃ (Refer to output load derating curve)									
SAFETY & EMC (Note. 7)	WORKING HUMIDITY	20%~90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-20~+85℃ 10~95% RH									
	TEMP. COEFFICIENT	±0.03% / °C (0~50℃)									
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
OTHERS	SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950 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									
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B									
	HARMONIC CURRENT	Compliance to EN61000-3-2,3									
CONNECTOR	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A									
	MTBF	100K hrs min. MIL-HDBK-217F (25℃)									
	DIMENSION	106*65*30mm (L*W*H)									
NOTE	PACKING	0.23kg; 50pcs/ 14kg / CARTON									
	PLUG	Standard type P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested									
NOTE	CABLE	Standard type 180cm of SPT-1, 18Awg*2c for stock ; 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.Tolerance: 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

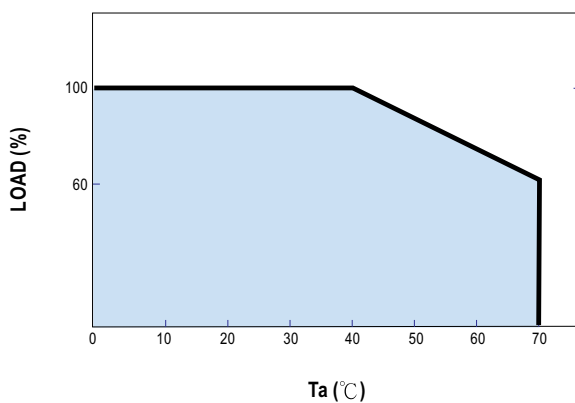


Plug Assignment

Standard plug: P2J (option)

P2J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

