



- 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

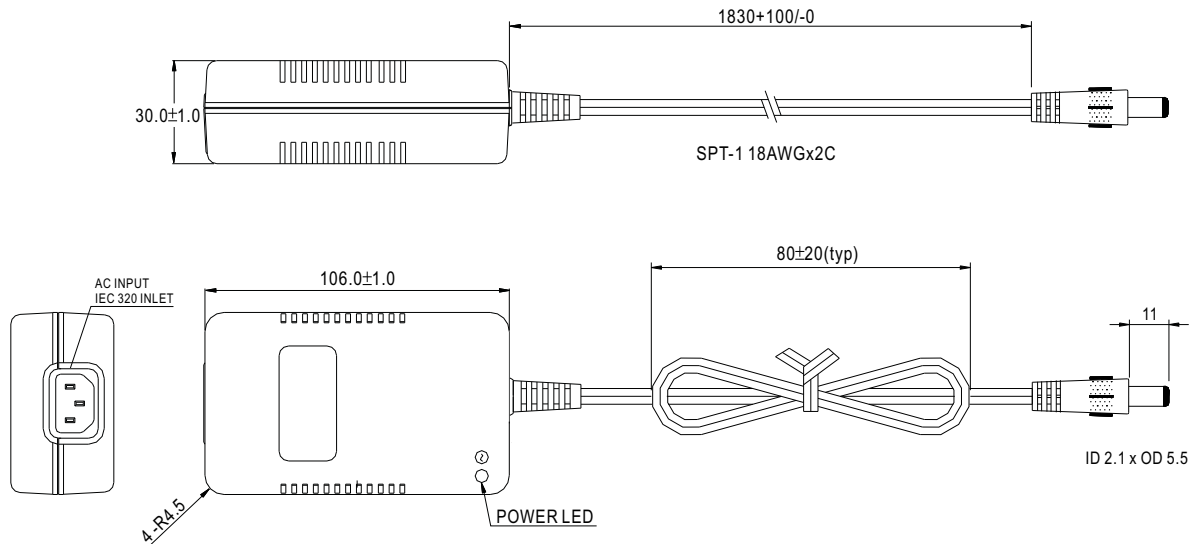


SPECIFICATION

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	
	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 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%	
	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%	
	RATED POWER	15W	20W	22W	24W	24W	24W	24W	24W	23.7W	24W	
	VOLTAGE ADJ. RANGE	Fixed										
SETUP, RISE, HOLD TIME	800ms, 50ms, 16ms at full load											
INPUT	VOLTAGE RANGE	90 ~ 264VAC										
	FREQUENCY RANGE	47~63Hz										
	EFFICIENCY (Typ.)	67%	70%	72%	74%	74%	75%	77%	77%	78%	78%	
	AC CURRENT	0.7A / 100VAC										
	INRUSH CURRENT (max.)	COLD START < 40A peak / 100VAC										
LEAKAGE CURRENT	< 0.75mA / 240VAC											
PROTECTION	OVER LOAD	Hiccup mode, Reset: auto recovery										
	OVER VOLTAGE	110~145% of rated output voltage										
ENVIRONMENT	WORKING TEMP., HUMIDITY	0~+40℃ @100% load, 70℃ @60% load, 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	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	106*65*30mm (L*W*H)										
	PACKING	0.23Kgs/pcs, 50pcs/ 14Kgs/ CTN										
CONNECTOR	PLUG	Standard type P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested										
	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.											

Mechanical Specification

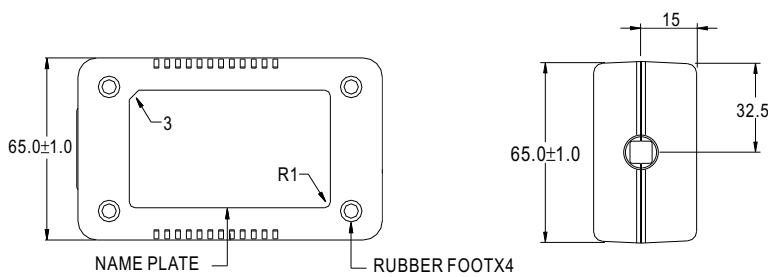
Unit:mm



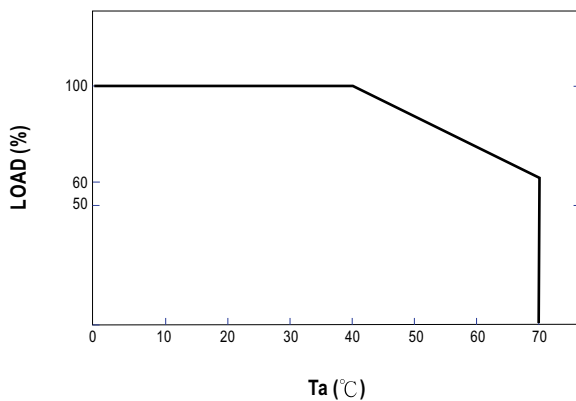
Plug Assignment

Standard plug: P2J (option)

P2J	
P/N	OUTPUT
CENTER	+



Derating Curve



Static Characteristics

