KY-PS24-40W

40 Watt Power Supply Heavy Duty for Low Power Ethernet Switch Sites



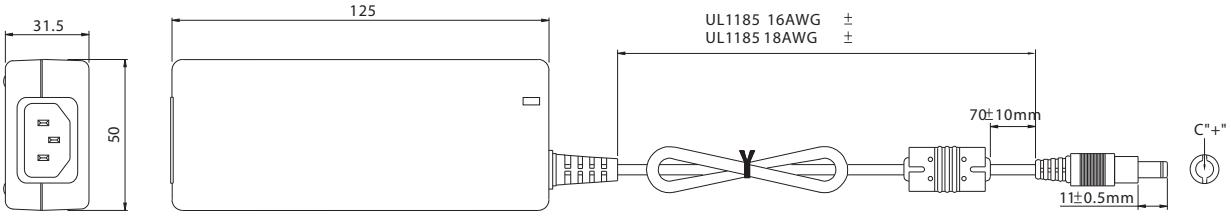
Primary Features

* Universal AC Input / Full Range
* No Load power consumption <0.3 Watts
* Energy Star Level IV / Full Series
* Energy Star Level V / Full Series
* EISA 2007 (Energy Independence & Security Act)
* NEMA TS-2 / IEC Industrial / Military Grade
* 3 Pole AC Inlet IEC320-C14
* Class I Power (with earth pin)
* Protection: Short Circuit / Overload / Over Voltage
* LPS Full Series
* Approvals: UL / CUL / TUV / BSMI / CCC / CB / FCC / CE / NEMA TS-2

Power Supply SPECIFICATIONS:

Temperature Hardened Power Supplies:					
OUTPUT	**SAFETY Power Model #**	**KY-PS12-40W**	**KY-PS24-40W**	**KY-PS48-40W**	
	DC VOLTAGE Note.2	12 Volts	24 Volts	48 Volts	
	RATED CURRENT	3.34 Amps	1.67 Amps	0.84 Amps	
	CURRENT RANGE	0 ~ 3.34 Amps	0 ~ 1.67 Amps	0 ~ 0.84 Amps	
	RATED POWER (maximum)	40 Watts	40 Watts	40 Watts	
	RIPPLE & NOISE (maximum) Note.3	100mVp-p	180mVp-p	240mVp-p	
	VOLTAGE TOLERANCE Note.4	± 3.0%	± 2.5%	± 2.5%	
	LINE REGULATION Note.5	± 1.0%	± 1.0%	± 1.0%	
	LOAD REGULATION	± 3.0%	± 2.5%	± 2.5%	
	SETUP, RISE TIME Note.7	600ms, 30ms / 230VAC	600ms, 30ms / 115VAC at Full Load		
	HOLD UP TIME (Typical)	50ms / 230 Volts AC	15ms / 115 Volts AC at full load		
INPUT	VOLTAGE RANGE	90 ~ 264 Volts AC	135 ~ 370 Volts DC		
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	89.5%	91%	92%	
	AC CURRENT	1 Amp / 115 Volts AC	0.5 Amp / 230 Volts AC		
	INRUSH CURRENT (maximum)	65A / 230 Volts AC			
	LEAKAGE CURRENT(maximum)	0.75mA / 240 Volts AC			
PROTECTION	OVERLOAD	105 ~ 150% rated output power			
		Protection type: Hiccup Mode, auto-recovers after fault condition is removed			
	OVER VOLTAGE	12.6 ~ 16.2 Volts	25.2 ~ 32.4 Volts	50.4 ~ 64.8 Volts	
		Protection type: Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMPERATURE ℃	-40 ~ +80 C (Refer to output load derating curve)			
	WORKING HUMIDITY	10% ~ 97% RH non-condensing (Sealed Unit)			
	STORAGE, TEMP, HUMIDITY ℃	-40 ~ +85 C , 10 ~ 97% RH			
	TEMPERATURE COEFFICIENT	0.03% / (0~50)			
	VIBRATION	10 ~ 500Hz, 2G 10 min / 1 cycle (period for 60 minutes each along X, Y, and Z axes)			
SAFETY & EMC (Note.6)	SAFETY STANDARDS	UL6-950-1, TUV EN60950-1, BSMI CNS14336 , CCC GB4943, NEMA TS-2			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500 Volts DC / + 25C / 70% RH			
	EMI CONDUCTION & RADIATION	0.31Kg; 40pcs / 13.4Kg / 0.91CU FT			
	HARMONIC CURRENT	Compliance to EN61000-3-2,3, GB17625.1			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, medium industry level, criteria A			
OTHERS	MTBF	711Khrs minimum, MIL-HDBK-217F (25 C)			
	DIMENSION	125*50*31.5mm (L*W*H)			
	PACKING	0.31Kg; 40pcs / 13.4Kg / 0.91CU FT			
CONNECTOR	PLUG	Standard Type P1J: 2.1mm x 5.5 x 11, tuning fork type, center positive			
	CABLE	Standard Teflon			
NOTE	1. All parameters are specified at 230 Volts AC input, rated load, 25 C, 70% RH ambient. 2. DC Voltage: The output voltage set at point measured by plug terminal @ 50% load. 3. Ripple & Noise are measured @ 20Mhz by using a 12" twisted pair wire terminated with a 0.1uf & 47uf capacitor. 4. Tolerance: includes setup tolerance, line regulation & load regulation. 5. Line regulation is measured from low line to high line at the rated load. 6. The power supply is considered a component to be installed into final equipment, and EMC parameters must be reconfirmed. 7. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to an increase of the set up time.				

■ Specifications (mm)



■ Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

■ Static Results

