

FEATURES



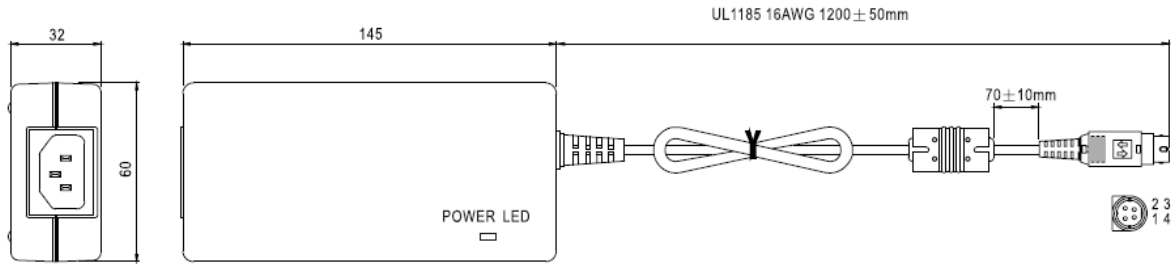
- Universal AC input/Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.91
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Class I power (with earth pin)
- LED indicator for power on
- No load power consumption <0.5W
- 3 years warranty

SPECIFICATIONS

PS-9001 90W,52V, Industrial Grade AC Adapter for POE Switch		
OUTPUT	DC VOLTAGE <small>Note.2</small>	48V
	RATED CURRENT	1.73A
	CURRENT RANGE	0 ~ 1.73A
	RATED POWER	90W
	RIPPLE & NOISE (max.) <small>Note.3</small>	240mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	± 2.0%
	LINE REGULATION <small>Note.5</small>	± 1.0%
	LOAD REGULATION <small>Note.6</small>	± 2.0%
	SETUP, RISE TIME <small>Note.7</small>	1000ms, 20ms/230VAC 1000ms, 20ms/115VAC at full load
	HOLD UP TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load
INPUT	VOLTAGE RANGE <small>Note.8</small>	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.91/230VAC PF>0.95/115VAC at full load
	EFFICIENCY (Typ.)	90%
	AC CURRENT	2A/115VAC 1A/230VAC
	INRUSH CURRENT (Typ.)	70A/230VAC
	LEAKAGE CURRENT	1mA / 240VAC
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault
	OVER VOLTAGE	54.6 ~ 63V Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover
ENVIRONMENT	WORKING TEMP.	-30 ~ +50°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 40°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY	SAFETY STANDARDS	Design refer to UL60950-1, TUV EN60950-1, BSMI CNS14336
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
OTHERS	MTBF	348.7K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	145*60*32mm (L*W*H)
	PACKING	0.45Kg; 30pcs/14.05Kg/1CUFT
CONNECTOR	PLUG	See page 2 ; Other type available by customer requested
	CABLE	See page 2 ; Other type available by customer requested
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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 of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 4. Tolerance : includes set up tolerance, line regulation and load regulation. 5. Line regulation is measured from low line to high line at rated load. 6. Load regulation is measured from 10% to 100% rated load 7. Length of set up time is measured at first cold start. Turning ON/OFF the Adapter may lead to increase of the set up time. 8. Derating may be needed under low input voltage. Please check the derating curve for more details. 	

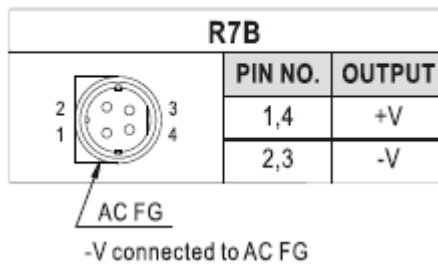
MECHANICAL SPECIFICATION

Unit : mm

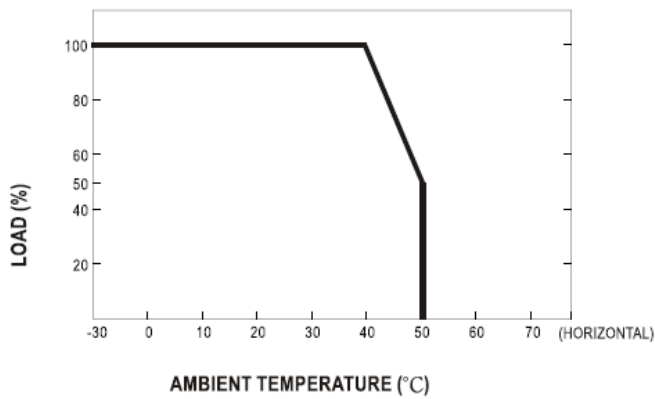


PLUG ASSIGNMENT

Standard plug : power DIN 4 pin with lock type, KYCON KPPX-4P equivalent



DERATING CURVE



OUTPUT DERATING VS INPUT VOLTAGE

