

FEATURES



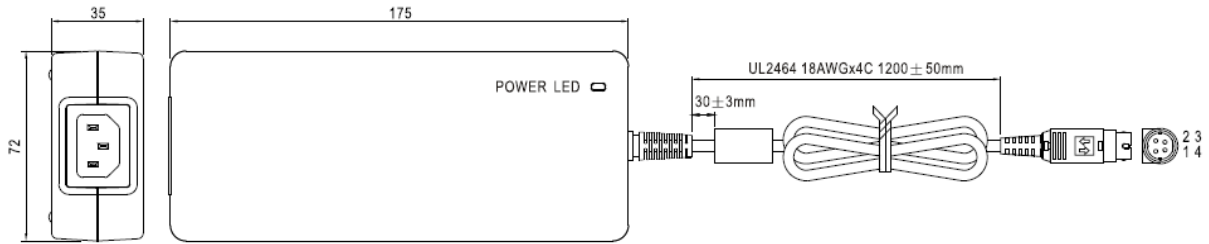
- Universal AC input/Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / PSE / TUV / BSMI / CCC / CB /FCC / CE
- Class I power (with earth pin)
- LED indicator for power on
- No load power consumption <0.5W
- ErP step2 compliant (level V)
- 3 years warranty

SPECIFICATIONS

PS-9003 160W,52V, Industrial Grade AC Adapter for POE Switch		
OUTPUT	DC VOLTAGE	48V
	RATED CURRENT	3.07A
	CURRENT RANGE	0 ~ 3.07A
	RATED POWER	160W
	RIPPLE & NOISE (max.) Note.2	240mVp-p
	VOLTAGE TOLERANCE Note.3	± 3.0%
	LINE REGULATION Note.4	± 1.0%
	LOAD REGULATION	± 3.0%
	SETUP, RISE TIME Note.5	2000ms, 20ms/230VAC 2500ms, 20ms/115VAC at full load
HOLD UP TIME (Typ.)	18ms/230VAC 18ms/115VAC at full load	
INPUT	VOLTAGE RANGE Note.6	85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	93%
	AC CURRENT	1.85A/115VAC 1A/230VAC
	INRUSH CURRENT (Typ.)	120A/230VAC
	LEAKAGE CURRENT	0.75mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 135% rated output power >150% rated power, constant current limiting with auto-recovery within 2 seconds and may cause to shut down if over 2 seconds
	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 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)
	VIBRATION	Component: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
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH
OTHERS	MTBF	290.3K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	175*72*35mm (L*W*H)
	PACKING	0.66Kg; 20pcs/14.2Kg/0.85CUFT
CONNECTOR	PLUG	See page 2 ; Other type available by customer requested
	CABLE	See page 2 ; Other type available by customer requested
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 70% RH ambient 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load 5. 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. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.	

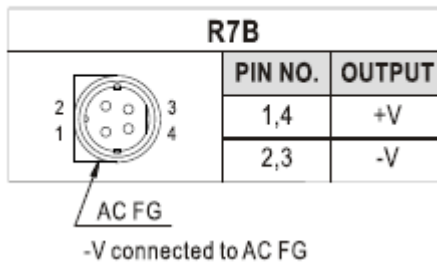
MECHANICAL SPECIFICATION

Unit : mm

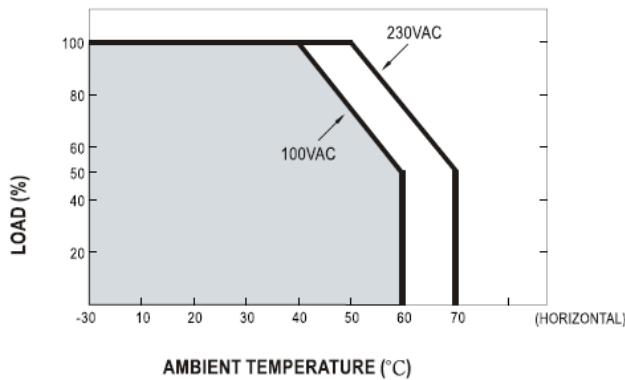


PLUG ASSIGNMENT

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



DERATING CURVE



OUTPUT DERATING VS INPUT VOLTAGE

