



■ Features :

- Universal AC input / Full range
- No load power consumption<0.75W@240VAC
- 3 pole AC inlet IEC320-C6
- Class I power (with earth pin)
- Built-in active PFC function, PF>0.90
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: UL / CUL / TUV / BSMI / CB / FCC / CE
- 1 year warranty

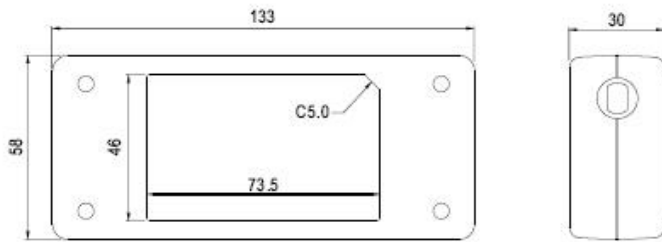
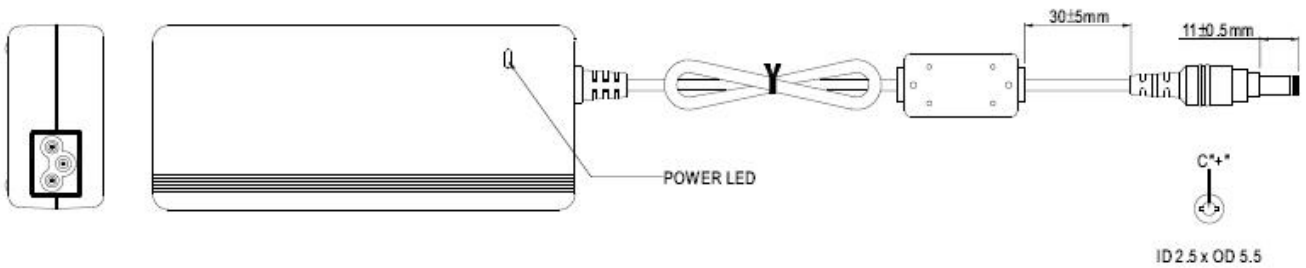
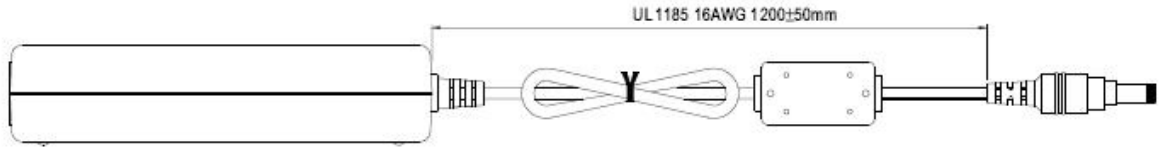


SPECIFICATION

ORDER NO.	EP109024CM-01	
OUTPUT	SAFETY MODEL NO.	F10903-D
	DC VOLTAGE <small>Note.2</small>	24V
	RATED CURRENT	3.75A
	CURRENT RANGE	0 ~ 3.75A
	RATED POWER	90W
	RIPPLE & NOISE (max.) <small>Note.3</small>	150mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±3.0%
	LINE REGULATION <small>Note.5</small>	±1.0%
	LOAD REGULATION <small>Note.6</small>	±2.0%
SETUP, RISE , HOLD UP TIME	300ms, 50ms , 10ms at full load	
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR	PF ≥ 0.90/230VAC
	EFFICIENCY (Typ.)	80% 82%
	AC CURRENT	1.3A/100VAC
	INRUSH CURRENT (max.)	100A/240VAC
	LEAKAGE CURRENT (max.)	0.75mA / 240VAC
PROTECTION	OVERLOAD	110 ~ 150% rated output voltage Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	110 ~ 150% rated output voltage Protection type : Clamp by zener diode
ENVIRONMENT	WORKING TEMP.	0 ~ + 50°C (Refer to output load 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	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC <small>(Note. 7)</small>	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336 approved
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVDC; I/P-FG: 1.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M ohms/500VDC/25°C/70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B, FCC part 15 class B, CNS13438 class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A
	MTBF	30K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	133*58*30mm (L*W*H)
	PACKING	406g; 32pcs/14.5Kg/CARTON
CONNECTOR	PLUG	Standard type P1M: 2.5φ * 5.5φ * 11mm, tuning folk type center positive for stock ; Other type available by customer requested
	CABLE	Standard type UL1185, 18awg*4fts for stock ; Other type available by customer requested
NOTE	<p>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.</p> <p>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.</p> <p>4.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p> <p>6.Load regulation is measured from 0% to 100% rated load.</p> <p>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.</p>	

Mechanical Specification

Unit:mm

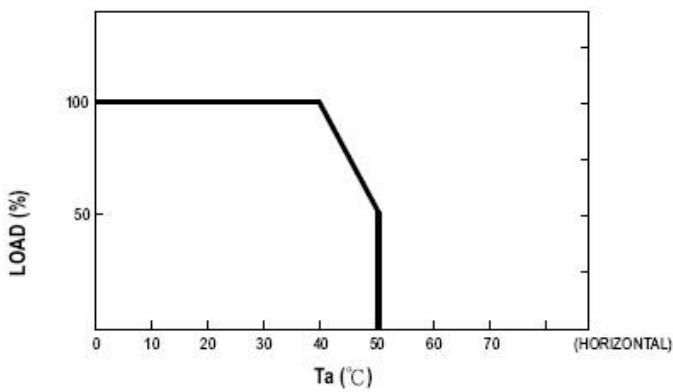


Plug Assignment

Standard plug: P1M (option)

P1M	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

