



Power supply 24VDC 5A EDR-120-24

URL: <https://www.sxplc.com/power-supply-24vdc-5a-edr-120-24>

Product data sheet

MODEL		EDR-120-12		EDR-120-24	EDR-120-48
OUTPUT	DC VOLTAGE	12V		24V	48V
	RATED CURRENT	10A		5A	2.5A
	CURRENT RANGE	0 ~ 10A		0 ~ 5A	0 ~ 2.5A
	RATED POWER	120W		120W	120W
	RIPPLE & NOISE (max.) <small>Note.2</small>	100mVp-p		120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	12 ~ 14V		24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE <small>Note.3</small>	± 2.0%		± 1.0%	± 1.0%
	LINE REGULATION	± 0.5%		± 0.5%	± 0.5%
	LOAD REGULATION	± 1.0%		± 1.0%	± 1.0%
	SETUP, RISE TIME	1200ms, 60ms/230VAC 2500ms, 60ms/115VAC at full load			
	HOLD UP TIME (Typ.)	16ms/230VAC 10ms/115VAC at full load			
INPUT	VOLTAGE RANGE <small>Note.6</small>	90 ~ 264VAC 127 ~ 370VDC		[DC input operation possible by connecting AC/L(+), AC/N(-)]	
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	85%		87.5%	88.5%
	AC CURRENT (Typ.)	2.25A/115VAC 1.3A/230VAC			
	INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC			
	LEAKAGE CURRENT	<1mA / 240VAC			
PROTECTION	OVERLOAD	105 ~ 130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	14 ~ 17V		29 ~ 33V	56 ~ 65V
		Protection type : Shut down o/p voltage, re-power on to recover			
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +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; Mounting: Compliance to IEC60068-2-6			
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508,TUV BS EN/EN62368-1,EAC TP TC 004,BSMI CNS15598-1,BIS IS13252(Part1): 2010/IEC 60950-1:2005(NOTE 8) approved; (meet BS EN/EN60204-1)			
	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			
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class A, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS15936 Class A			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, criteria A, EAC TP TC 020			

