

Guide rail power supply Series



DIMENSION : 63*125.2*113.5mm

Features:

- Universal AC input/Full range
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- Built-in EMI filter with minimal Bellows
- Power Protection Level : IP31
- 100% full load burn-in test
- Complay with EN55022:2010+AC : 2010+AC : 2011/EN61000-3-2 and EN61000-4-2,3,4,5,6,8,11/EN60950-1
- 3-year quality assurance (two replacement per year, free maintenance for two years)

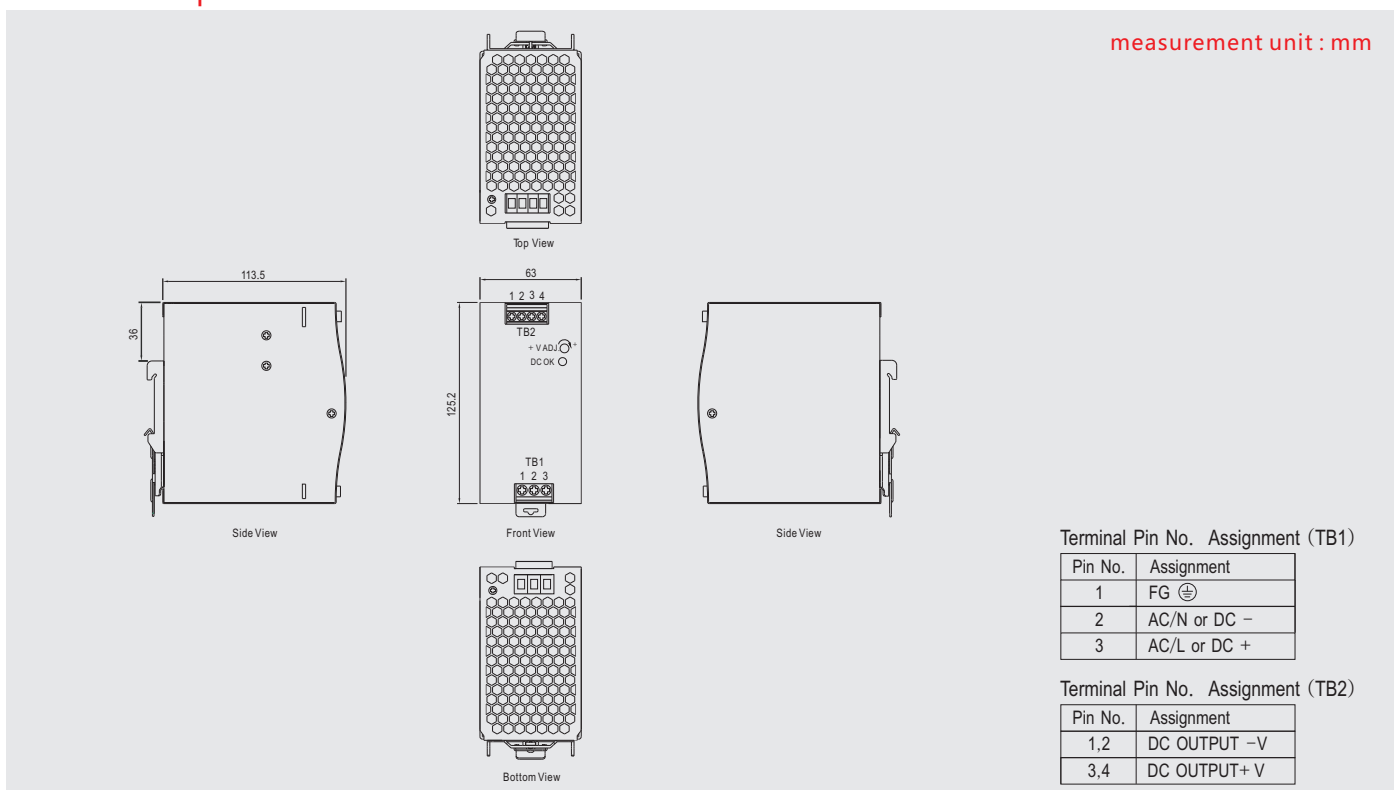
SPECIFICATION



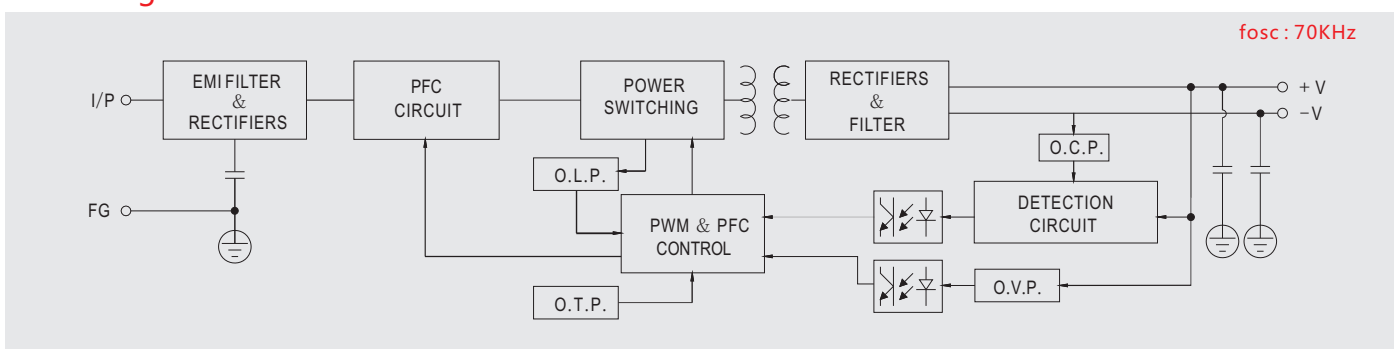
CE RoHS

MODEL		SA55NDR24024		SA55NDR24048	
OUTPUT	DC VOLTAGE	24V		48V	
	RATED CURRENT	10A		5A	
	CURRENT RANGE	0-10A		0-5A	
	RATED POWER	240W		240W	
	RIPPLE & NOISE (max) Note.2	150mVp-p		150mVp-p	
	VOLTAGE ADJ. RANGE	24-28V		48-55V	
	VOLTAGE TOLERANCE Note.3	±1.0%		±1.0%	
	LINE REGULATION	±0.5%		±0.5%	
	LOAD REGULATION	±1.0%		±1.0%	
	SETUP, RISE TIME	1500ms,100ms/230VAC 3000ms,100ms/115VAC(at full load)			
HOLD UP TIME (Typ)	28ms/230VAC 22ms/115VAC(at full load)				
INPUT	VOLTAGE RANGE Note.4	90~264VAC 127~370VDC			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR (Typ.)	PF > 0.98/115VAC , PF > 0.95/230VAC (at full load)			
	EFFICIENCY (Typ.)	88.5%		90%	
	AC CURRENT (Typ.)	2.5A/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	29~33V		56~65V	
		Protection type : Shut down o/p voltage, re-power on to recover			
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKINF TEMP.	-20°C~+70°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./1 cycle , 60min. each along X,Y,Z axes; Mounting: Compliance IEC60068-2-6			
SAFETY& EMC (Note.4)	SAFETY STANDARDS	UI508, TUV BS EN/EN62368-1,EAC TP TC 004, BSMI CNS14336-1, IS13252(Part1)/IEC60950-1 approved; (meet BS EN/EN60204-1)			
	WITHSTAND VOLTAGE	I/P-O/P : 2KVAC 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),BS EN/EN61204-3 Class B,BS EN/EN61000-3-2,EAC TP TC 020, CNS13438			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11,BS EN/EN55024, BS EN/EN61000-6-2(BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, criteria A , EAC TP TC 020			
OTHERS	MTBF	≥230.2K hrs. MIL-HDBK-217F(25°C)			
	DIMENSION	63*125.2*113.5mm(W*H*D)			
	PACKING	1Kg; 12pcs/13Kg/1.22CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 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 ragulation and load regulation. 4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat soure, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.				

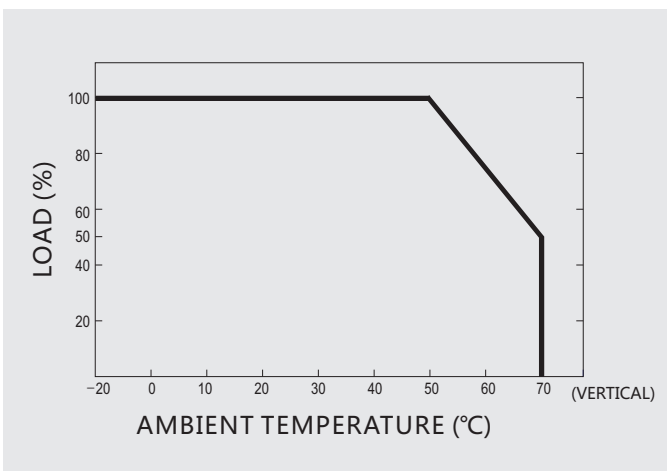
Mechanical Specification



Block Diagram



Derating Curve



Output derating VS input voltage

