



Dimension 90*54.5*35mm (H*D*W)

Features:

- Ultra width 5mm(2SU)
- Universal input 85-264VAC
- No minimum load required
- DC output adjust($\pm 10\%$)
- Cooling by free air convection - 30~+70°C
- Din Rail: TS-35/7.5 or 15
- Protections : Short circuit/Overload/Over voltage
- LED indicator
- 2 years warranty

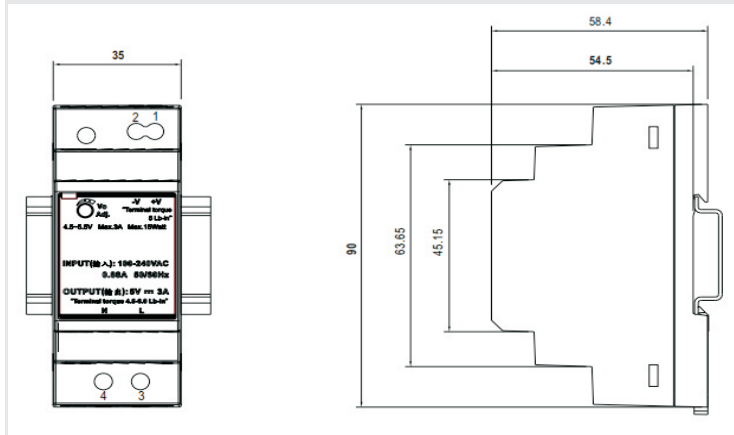


SPECIFICATION

MODEL		SA55HDR3005	SA55HDR3012	SA55HDR3015	SA55HDR30-24
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	6A	2.5A	2A	1.25A
	CURRENT RANGE	0-6A	0-2.5A	0-2A	0-1.25A
	RATED POWER	30W	30W	30W	30W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	100mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4.5~5.5V	10.8~13.5V	13.5~16.5V	21.6~28V
	VOLTAGE TOLERANCE Note.3	$\pm 2.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$
	LINE REGULATION	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$
	LOAD REGULATION	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$
	SETUP, RISE TIME	500ms, 50ms/230VAC 500ms, 50ms/115VAC (full load)			
	HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC (full load)			
INPUT	VOLTAGE RANGE Note.6	85-264VAC	120-370CDV		
	EFFICIENCY(Typ.)	82%	86%	88%	88%
	AC CURRENT(Typ.)	0.88A/115VAC 0.48/230VAC			
	INRUSH CURRENT (Typ.)	Cold start 25A/115VAC 45A/230VAC			
PROTECTION	OVERLOAD	110~150% rated output power			
		Protection type : Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	5.75-7V	13.8-16.2V	17.25-20.25V	30-36V
		Protection type : Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	REVERSED POLARITY				
	UVLO				
	WORKING TEMP.	-30~+70°C(Refer to "Derating Curve")			
	WORKING HUMIDITY	20~95%RH non-condensing			
	STORAGE TEMP.,HUNMIDITY	-40~+85°C, 10%-95%RH,non-condensing			
	TEMP. COEFFICIENT	$\pm 0.03\%/^{\circ}\text{C}(0-50^{\circ}\text{C})$			
SAFETY& EMC (Note.5)	VIBRATION	Component : 10~500Hz,2G 10min./1 cycle , 60min. each along X,Y,Z axes			
	OPERATING ALTITUDE	2000m			
	SAFETY STANDARDS	Comply to CE and GB4943			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC			
	ISOLATION RESISTANCE	I/P-O/P>100M Ohms / 500Vdc / 25°C/ 70% RH			
	EMC EMISSION	EN55032(CISPR32)ClassB,EN61000-3-3			
OTHERS	EMC IMMUNITY	EN 61000-4-2,3,4,5,6,8			
	MTBF	907K hrs min.MIL-HDBK-217F(25°C)			
	DIMENSION	90*54.5*35mm (H*D*W)			
NOTE	PACKING	0.12kg/Pcs			
		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 regulation 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 sour, 15mm clearance is recommended.			
		6. Derating may be needed under low input voltage. Please check the derating curve for more details.			

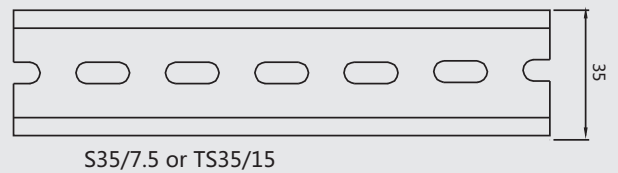
Mechanical Specification

measurement unit : mm



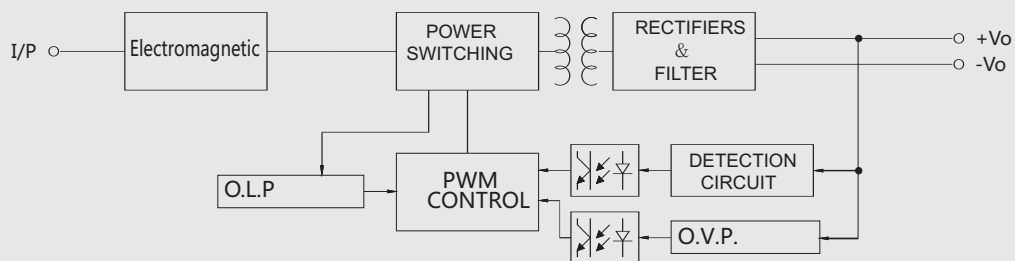
Terminal Pin No. Assignment

Pin No.	Assignment
1	DC +Vo
2	DC -Vo
3	AC Input N
4	AC Input L



Block Diagram

fosc : 100KHz



Derating Curve

Static Characteristics

