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SPS-035-IDx Series

35W, Dual Output



99 x 82 x 35 mm

3.90 x 3.23 x 1.38 inch

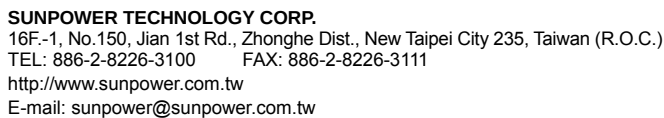


Features:

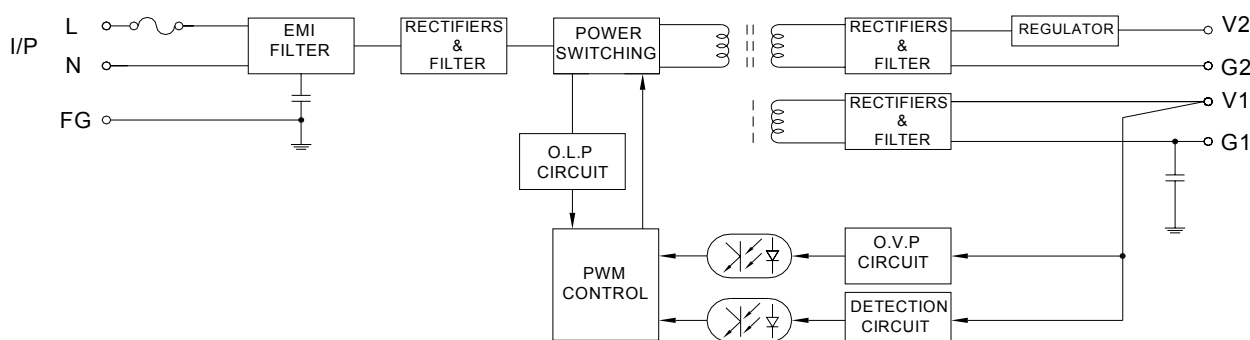
- * V1 & V2 output are isolated , V2 polarity can be option (+ or -)
- * Power ON with LED indicator
- * Built in EMI filter, low ripple noise
- * Over voltage protection : Shutdown and latch off
- * Over load & short circuit protection : Hiccup mode
- * 100% full load burn-in test
- * -20℃~70℃ Operating temperature
- * UL, cUL, TUV, CB, CE approved
- * 3 years warranty

Specification:

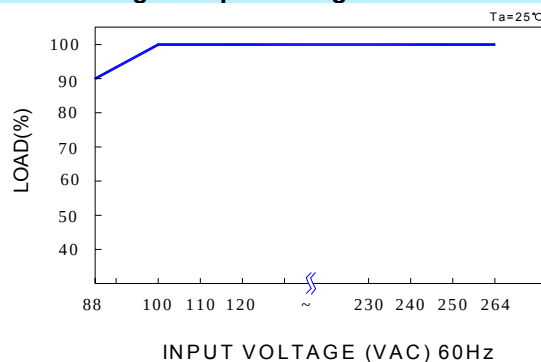
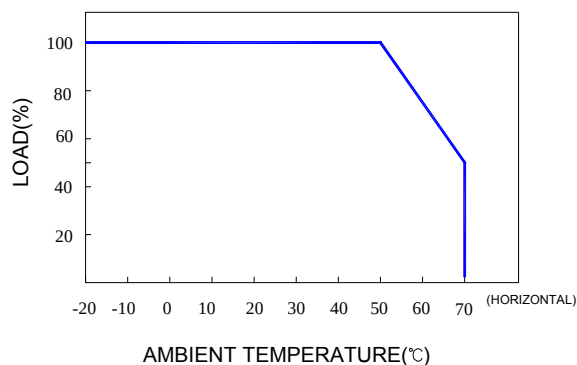
INPUT	Voltage	88V ~ 264VAC universal full range or 125V ~ 375VDC.											
	Frequency	47 ----- 63 Hz											
	Current	<1.0A@100V AC input, full load condition											
	Inrush Current (TYP.)	30A@115V , 50A@230V AC input, Cold start at 25℃ ambient											
	Leakage Current	<1.0mA@264V AC input											
OUTPUT	MODEL No.	SPS-035-ID1			SPS-035-ID2			SPS-035-ID8			SPS-035-ID9		
	Output	V1		V2	V1		V2	V1		V2	V1		V2
	Voltage	5V		12V -12V	5V		24V -24V	12V		12V -12V	15V		15V -15V
	Min Load	0.3A		0A	0.3A		0A	0.3A		0A	0.3A		0A
	Max Load	4A		2.5A	4A		1.3A	3A		1.5A	2.4A		1.5A
	Output Tolerance ②	± 3%		± 5%	± 3%		± 5%	± 1%		± 5%	± 1%		± 5%
	Ripple Noise MAX. ③	70mV		120mV	70mV		200mV	120mV		120mV	150mV		150mV
	Efficiency (TYP.)	79%			79%			83%			84%		
	Output MAX.	35W			35W			36W			36W		
PROTECTION	Over Voltage	5.8 ~ 7.0V		----	5.8 ~ 7.0V		----	13.8~16.8V		----	17.3~21.0V		----
	Over Load & Short Circuit	Shutdown and latch off, recover after re-start up.											
ELEC. CHAR.	Rise time	<30mS											
	Hold up time	>60mS@230V, full load condition											
	Setup time	<1 Sec@100 ~ 240V AC											
ENVIRONMENT	Temperature ④	Operating: -20 ~ +70℃ ; De-rating: 50 ~ 70℃: 2.5%/℃ ; Storage: -40 ~ +85℃											
	Humidity	Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing)											
	Altitude	6562 ft (≒ 2000 m) operating											
SAFETY	Withstand voltage	I/P-O/P:3KVAC, I/P-FG:1.8KVAC, O/P-FG:0.5KVAC, 1minute											
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG > 100MΩ/500VDC at 25℃/ 70% RH											
	Safety standard	UL 62368-1 2 nd Edition, 2014-12-01, CAN/CSA C22.2 No. 62368-1-14, 2 nd Edition, 2014-12, TUV EN 62368-1:2014+A11, IEC 62368-1:2014 approved											
EMC	EMI	EN / BS EN 55032 CLASS B, FCC CFR 47 PART 15 CLASS B											
	EMS	Compliance to EN / BS EN 61000-3-2 CLASS A, EN / BS EN 61000-3-3											
OTHERS	Cooling	Natural cooling.											
	M.T.B.F.	339 K hours											
	Terminal pitch	7P / 8.25mm with plastic cover, 90 deg terminal optional (with MOQ)											
	Packing	N.W.: 0.35Kg / pc ; 46 pcs / 1.22 CUFT/ 1 CTN											
NOTE	① All measurements which not mentioned are based on 230VAC input, output Max at ambient 25℃ / 70%RH ② Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured between 20%-100% max load of each output, Total output must under output Max . ③ Ripple & noise are measured at 100~254VAC input with 10~50℃ condition and 20MHz of bandwidth by using a 10" ~15" twisted pair-wire terminated with a 0.1uF & a 47uF parallel capacitor. ④ The operating temperature shall follow the de-rating curve in spec The output load may be requested for decreasing as de-rating curve in spec when low input voltage is under 100VAC. ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.												



Block Diagram : UD5-1

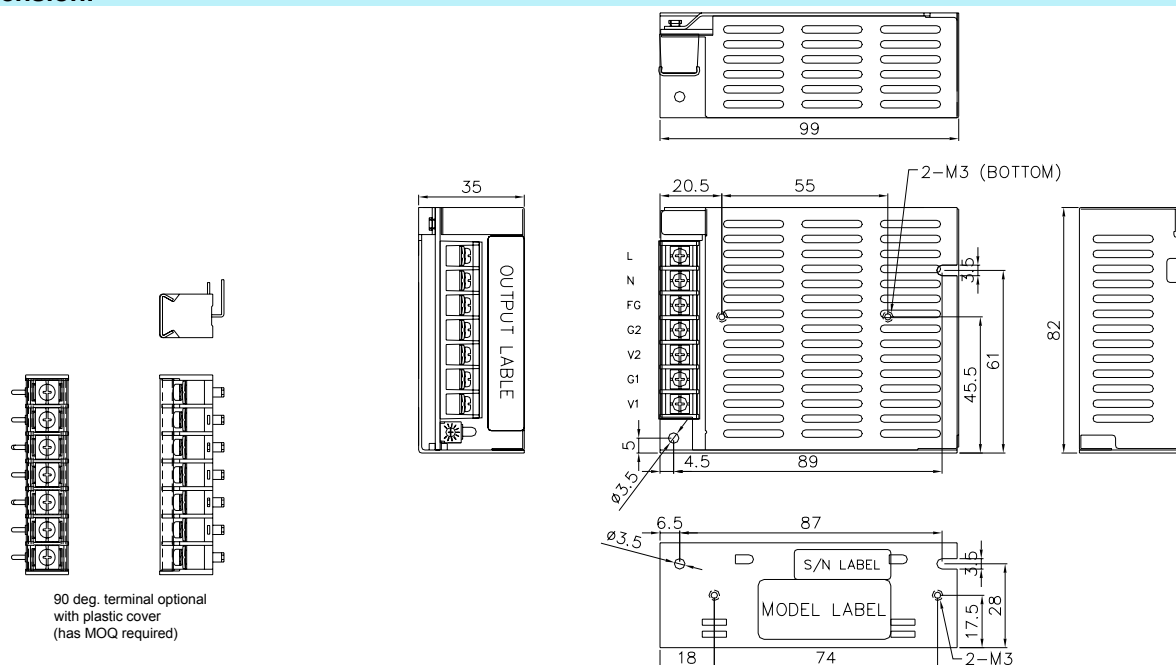


Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)



Terminal Pin. No Assignment :

7P, PITCH 8.25mm WITH PC COVER							
MODEL No.	1	2	3	4	5	6	7
SPS-035-IDx	L	N	FG	G2	V2	G1	V1