

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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SUNPOWER TECHNOLOGY CORP.
16F.-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)
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E-mail: sunpower@sunpower.com.tw

SDS-035A/B/Cxx Series

35W, Single Output

12V / 24V / 48V DC Input



99 x 82 x 35 mm
3.9 x 3.23 x 1.38 inch

CE

Features:

- ∗ Power ON with LED indicator
- ∗ Input and output isolation
- ∗ Soft start function, low inrush current
- ∗ Non min. load requirement
- ∗ Input polarity reverse protection
- ∗ Over voltage, over load & short circuit protection
- ∗ Output voltage ±10% adjustment
- ∗ 100% full load burn-in test
- ∗ Meet LVD standard
- ∗ 2 years warranty

Specification:

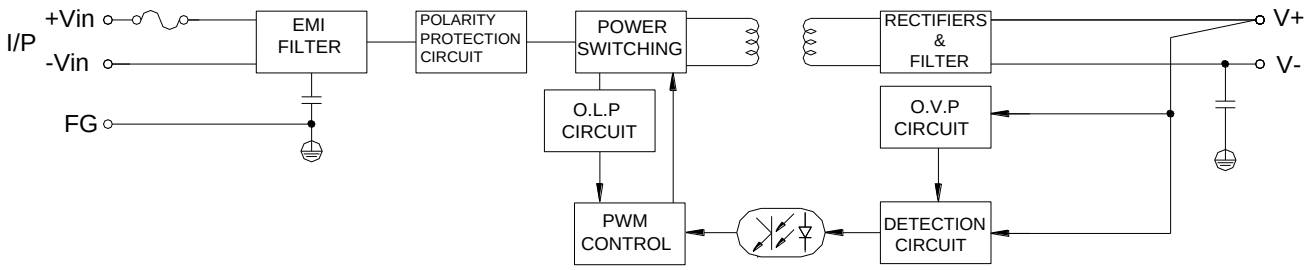
INPUT	**Model No.**		SDS-035Axx Series		SDS-035Bxx Series		SDS-035Cxx Series	
	Voltage		9.5 ~ 18V DC (Typical 12V)		18 ~ 36V DC (Typical 24V)		36 ~ 72V DC (Typical 48V)	
	Current		<5.8A @ 9.5V DC		<3A @ 18V DC		<1.5A @ 36V DC	
	Protection		Fuse , 6.3A/250V		Fuse , 4A/250V		Fuse , 2A/250V	
OUTPUT	**Voltage**		3.3V	5V	7.5V	12V	24V	48V
	Min Load		0A	0A	0A	0A	0A	0A
	Max Load		8A	7A	4.7A	3A	1.5A	0.75A
	Output Tolerance ②		±3%	±2%	±2%	±1%	±1%	±1%
	Ripple Noise MAX. ③		70mV	70mV	100mV	120mV	200mV	250mV
	Efficiency (TYP.)	**SDS-035A**	67%	70%	71%	74%	76%	78%
		SDS-035B	70%	74%	76%	78%	80%	82%
		SDS-035C	70%	75%	77%	78%	81%	83%
	Output MAX.		26W	35W	35W	36W	36W	36W
PROTECTION	**Over Voltage**		3.8~4.6V	5.8~7.0V	8.6~10.5V	13.8~16.8V	27.6~33.6V	55.2~67.2V
			Hiccup and recovers automatically after the fault is removed.					
	Over Load & Short Circuit		When power supply over 105%~ 180% max load or short circuit acted, power supply will go into hiccup mode and recover automatically after the fault is removed.					
ELEC. CHAR.	**Rise time**		<20mS					
ENVIRONMENT	**Temperature** ④		Operating: -10 ~ +70℃ ; De-rating: 50 ~ 70℃: 2.5%/℃ ; Storage: -20 ~ +85℃					
	Humidity		Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH (non condensing)					
SAFETY	**Withstand voltage**		I/P-O/P:2.0KVAC, I/P-FG:1.5KVAC, 1minute					
	Isolation resistance		I/P-O/P, I/P-FG, ＞100MΩ/500VDC at 25℃/ 70% RH					
EMC	**EMI**		EN 55032 CLASS B、FCC CFR 47 PART 15 CLASS B、CNS 13438 CLASS B.					
	EMS		EN 55024：EN 61000-4-2,3,4,6,8：ENV 50204					
OTHERS	**Cooling**		Natural Cooling.					
	M.T.B.F.		417K hours					
	Dimension		99 x 82 x 35 ㎜ (L*W*H)					
	Packing		N.W.:0.36Kg / 1pc; 46pcs / 1.22 CUFT / 1 CTN					
NOTE	① All measurements which not mentioned are based on 12V/24V/48VDC input, **output Max** at ambient 25℃ / 70%RH ② Output tolerance included set up voltage, line regulation and load regulation. ③ Ripple & noise are measured at 12～18V/21～36V/42～72VDC input with 10～50℃ condition and 20MHz of bandwidth by terminated using a 10″ ～15″ twisted pair-wire with a 0.1uF & a 47uF parallel capacitor. ④ The operating temperature shall follow the de-rating curve in spec ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.							

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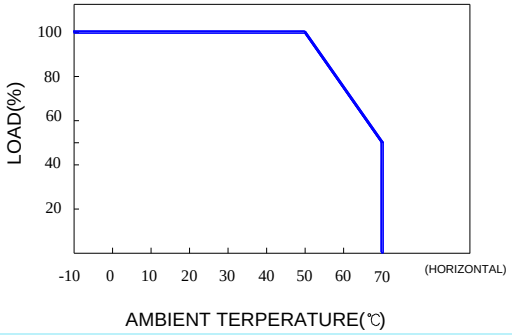
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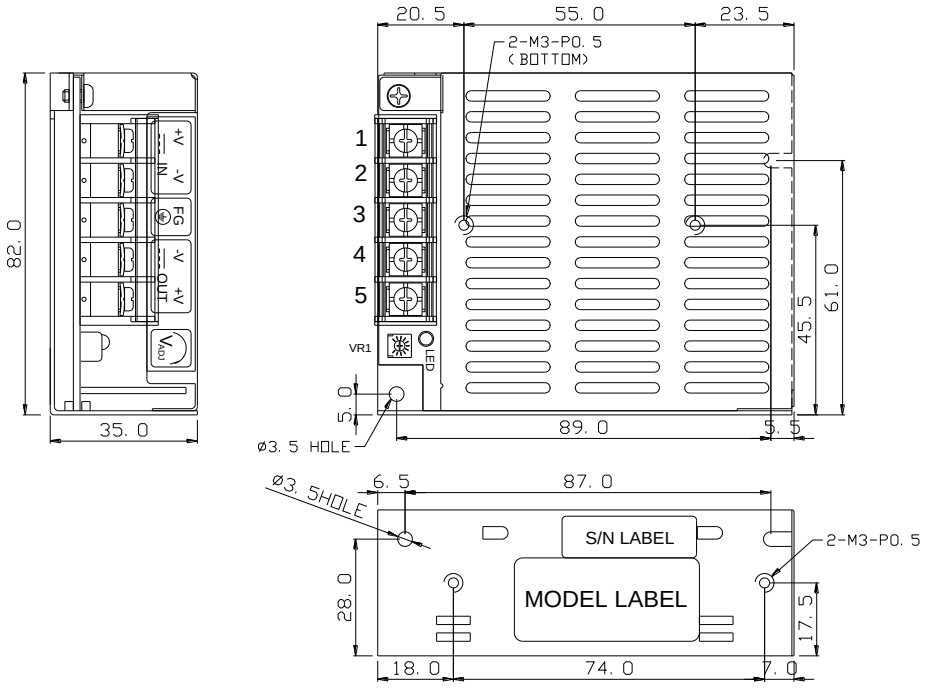
Block Diagram：DS1



De-rating Curve：



Dimension: (Unit: mm)



NOTES:

TERMINAL BLOCK: 7P, PITCH 9.5mm with pc cover

MODEL No.	1	2	3	4	5
SDS-035A/B/Cxx	+Vin	-Vin	FG	-V	+V

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We buy equipment

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