


SUNPOWER TECHNOLOGY CORP.

16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.

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SDS-035 Series

35W, Single Output

12V / 24V / 48V Input


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

Features:

- * Power ON with LED indicator
- * 2:1 input range, input and output isolation
- * Soft start function, low Inrush current
- * Input polarity reverse protection
- * Over load, over voltage, short circuit shutdown and Auto recovery
- * Non min. load requirement
- * Output voltage $\pm 10\%$ adjustment
- * 100% 50°C burn-in test
- * Meet UL, cUL, TUV standard
- * 3 years warranty

Specification:

INPUT	Model NO.	SDS-035A Series			SDS-035B Series			SDS-035C Series	
	Voltage	9.5 ~ 18V DC (Typical 12V)			18 ~ 36V DC (Typical 24V)			36 ~ 72V DC (Typical 48V)	
	Current	<4.8A @ 9.5V DC			<2.6A @ 18V DC input			<1.3A @ 36V DC input	
OUTPUT	Voltage	3.3V	5V	7.5V	12V	18V	24V	48V	
	Max. Load	8A	7A	4.6A	3A	2A	1.5A	0.75A	
	Regulation	±3%	±2%		±1%				
	Ripple Noise (MAX.)	40mV	50mV	75mV	100mV		200mV	250mV	
	Efficiency (MIN.)	68%	70%	70%	74%	74%	76%	78%	
	Remark : Only SDS-035C Series has 18V output.								
PROTECTION	Over Voltage Protection	+3.8~ 4.6V	+ 5.8~ 7.0V	+8.6~10.5V	+13.8~17.5V	+20.7~25.2V	+27.6~33.6V	+55.2~67.2V	
	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.							
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.							
OTHERS	Rise time	< 20mS							
	Cooling	Natural cooling							
Environment	Temperature	Operating: -10~70℃; de-rating: 50℃ ~70℃ : 2.5%/℃. Storage: -10~+75℃							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.	417K hours								
SAFETY	UL 60950-1 st , CSA C22.2 No.60950-1 st , TUV EN 60950-1 st :2001+A11 , IEC 60950-1 st , EMKO-TSE(74-SEC)207/94 standard.								
EMC	EMI Standard	EN 55022 CLASS B 、FCC CFR 47 PART 15 CLASS B 、CNS 13438 CLASS B.							
	EMS Standard	EN 55024 : EN 61000-4-2,3,4,5,6,8.							



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Dimension:

SDS-035 Series

