



# SDS-060 Series

**60W, Single Output**  
**12V / 24V / 48V Input**



159 x 95 x 38 mm  
6.30 x 3.74 x 1.48 inch

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

INPUT	Model NO.	SDS-060A Ser.		SDS-060B Ser.		SDS-060C Ser.		
	Voltage	9.5 ~ 18V DC (Typical 12V)		18 ~ 36V DC (Typical 24V)		36 ~ 72V DC (Typical 48V)		
	Current	<10A @ 9.5V DC		<4.6A @ 18V DC		<2.4A @ 36V DC		
	Protection	Ceramic Fuse 15A/125V		Ceramic Fuse 6.3A/250V		Ceramic Fuse 4A/250V		
OUTPUT	Voltage	<b>3.3V</b>	<b>5V</b>	<b>12V</b>	<b>15V</b>	<b>24V</b>	<b>48V</b>	
	Max. Load	15A	12A	5A	4A	2.5A	1.3A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
	Ripple Noise (MAX.)	50mV	50mV	100mV	120mV	150mV	240mV	
	Efficiency (TYP.)	SDS-060A	62%	64%	66%	---	68%	70%
		SDS-060B	68%	76%	78%	78%	78%	78%
		SDS-060C	68%	76%	80%	---	82%	82%
Max Power	50W	60W	60W	60W	60W	60W		
Remark : Only SDS-060B Series has 15V output.								
PROTECTION	Over Voltage	+3.8~ 4.6V	+ 5.8~ 7.0V	+13.8~17.5V	+17.3~21.0V	+27.6~33.6V	+55.2~67.2V	
	Over Load	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.						
	Short Circuit	Shutdown, recovers automatically after fault condition has been removed.						
	Input Voltage	Under voltage shut down: SDS-060B : <15V~17V SDS-060C : <32V~35V						
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 <sup>st</sup> , CSA C22.2 No.60950-1 <sup>st</sup> , TUV EN 60950-1 <sup>st</sup> :2001, IEC 60950-1 <sup>st</sup> , 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.						
PACKING	N.W.: 0.63KG / 1pc; 30pcs / 1.24 Cu ft <sup>3</sup> / 1 CTN							

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