

SDS-320 Series

320W, Single Output

48V / 96V



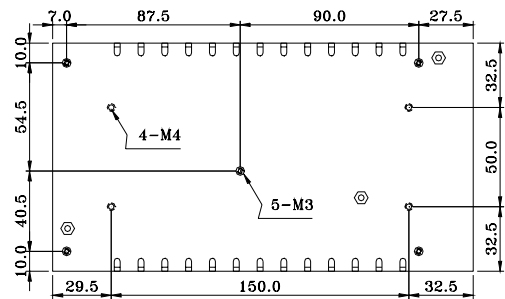
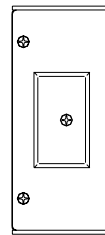
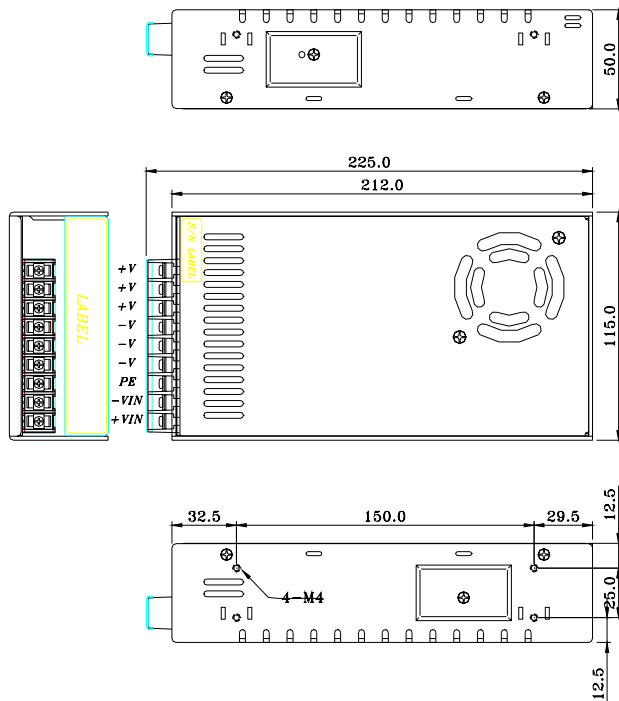
212 x 115 x 50 mm
8.35 x 4.53 x 1.97 inch

Features:

- * DC Input 48V / 96V
- * Inrush current limitation soft start function
- * Input & output isolation
- * Input polarity reverse protection
- * Input under / over voltage protection
- * Over load, over voltage & short circuit protection
- * Over temperature protection (optional)
- * Remote control ON/OFF (optional)
- * Output voltage $\pm 10\%$ adjustment
- * 100% 50°C burn-in test
- * UL, cUL, TUV, ,CB, CE standard
- * 2 years warranty

Specification:

OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V	
	Min. Load	0A								
	Max. Load	50A	50A	40A	26.7A	21.4A	13.4A	11.9A	6.7A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$					
	Ripple Noise(max)	50mV	70mV	90mV	100mV	120mV	150mV	180mV	250mV	
	Efficiency (tpy)	68%	75%	78%	80%	80%	83%	84%	84%	
MAX OUTPUT WATTAGE		165W	250W	300W	320W					
INPUT	Voltage	SDS-320C Series	DC 36V ~ 72V (Typical 48V)							
		SDS-320D Series	DC 72V ~ 144V (Typical 96V)							
	Current	SDS-320C Series	13.2A max at 36V DC input, full load condition							
		SDS-320D Series	6.7A max at 72V DC input, full load condition							
Inrush Current		SDS-320C Series	<30A@48V DC input, full load condition							
		SDS-320D Series	<30A@96V DC input, full load condition							
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.								
	Over Voltage Protection	3.8V ~ 4.6V	5.8V ~ 7.0V	8.6V ~ 10.5V	13.8V ~ 17.5V	17.3V ~ 21V	27.6V ~ 33.6V	31.1V ~ 37.8V	55.2V ~ 67.2V	
	Over Tem Protection	Optional, shutdown when the temperature of power supply reach 95°C								
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.								
OTHERS	Rise time	SDS-320C Series	<20mS							
		SDS-320D Series	<50mS							
	Remote Control	Optional. RC+/RC- : 0~0.7V=Power On; 3~10V=Power Off. Sink Current: 3~10mA								
Cooling	A 16CFM (min.) DC Fan.									
Environment	Temperature	Operating: 0~70°C; derating: 45°C ~70°C : 2.5%/°C. Storage: -10~+75°C								
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)								
M.T.B.F.	220K hours									
SAFETY	Meet UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94									
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.								
	EMS	EN 50082-1 (1997)								
PACKING	N.W.: 1.2Kg / 1pc; 14pcs / 1.38 Cu ft ³ / 1 CTN									



BOTTOM VIEW

NOTES:

1. MATERIAL : COVER 1.0mm NATURAL ALUMINIUM.
CHASSIS 2.0mm NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 9P, PITCH 9.5 mm WITH PC COVER.
3. UNIT : mm.