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# SDU-100BQ

U Bracket Power Supply  
 100W Quad Output, 18~56VDC Input



133.5 x 84 x 38 mm  
 5.26 x 3.3 x 1.5 inch

## Features:

- Low inrush current, soft start function
- Input & output isolation
- Input polarity reverse protection
- Input under / over voltage protection
- Over load, over voltage & short circuit protection
- FR4 glass epoxy double side circuit board, meet UL -94V0
- 100% 50 burn-in test
- UL, cUL certified (SDU-100BD1), TUV, CB, CE standard
- 2 years warranty

Specification:					
INPUT	Voltage	DC 18V ~ 56V			
	Current	8A max at 18V DC input, full load condition			
OUTPUT	Model No.	SDU-100BQ1			
	Voltage	V1	V2	V3	V4
		+5V	+12V	-5V	-12V
	Min. Load	0.5A	0A	0A	0A
	Max. Load	15A	3.5A	0.5A	0.5A
	Regulation	+5~-4%	±5%	+5~-4%	+8~-5%
	Ripple Noise (max)	60mV	120mV	100mV	150mV
	Efficiency (typ)	72%			
PROTECTION	Max Power	Natural cooling: 80W; forced air cooling: 100W			
	Input	Fuse, 12A/125V			
	Over Load	Shut down when over 115% ~ 180% of rating. Recovers automatically after fault condition has been removed.			
	Over Voltage	Shut down when V1 over +5.8V ~ +7.0V. Recovers automatically after fault condition has been removed.			
OTHERS	Short Circuit	Shut down when short circuit. Recovers automatically after fault condition has been removed.			
	Rise time	<20mS			
Environment	Cooling	Natural Cooling; when output exceed 80W, a 16CFM (min.) DC fan is required.			
	Temperature	Operating: 0~70 ; derating: 45 ~70 : 2.5%/ . Storage: -40~+85			
M.T.B.F.	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
		270K hours			
SAFETY		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)			

## Dimension:

