



# Power Supplies & UPS

## DC/DC Single Output Power Converters

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

### SPECIFICATIONS:

Voltage set point accuracy:  $\pm 2\%$  (max.)  
 Line regulation:  $\pm 0.5\%$  (max.)  
 Load regulation:  $\pm 0.5\%$  (max.) @20~100% load  
 Efficiency: 76% (typical)  
 Overload protections: 150~250%, auto-recovery

I/O isolation voltage: 1000VDC (min)  
 I/O isolation voltage: 100M $\Omega$ (min.) @500VDC  
 Short circuit protection: CONTINUOUS, auto-recovery  
 Temp. coefficient:  $\pm 0.03\%$  /  $^{\circ}\text{C}$  (max.)  
 Working temp., humidity: -25 $^{\circ}\text{C}$ ~+60 $^{\circ}\text{C}$ (NO DERATING); +71  $^{\circ}\text{C}$ @80% load  
 Storage temp., Humidity: -25 $^{\circ}\text{C}$ ~+105 $^{\circ}\text{C}$



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
33386	SCW05B-05	MEAN WELL	DC to DC Single Output Power Converters	5VDC	18-36VDC	1A	5-6W	76%

### FEATURES:

- low cost, high reliability
- 100% full load burn-in test
- 105 $^{\circ}\text{C}$  output capacitor
- High efficiency, low working temperature
- Compact size, light weight
- Short circuit, overload, over voltage protected

Input voltage range : B:19~36VDC C:36~72VDC D:72~144VDC or 85~132VAC  
 Inrush current : B,C:----- D:20A/96VDC  
 Leakage current : <075mA/120VAC (SD-100D)  
 Overload protection: 105%~135% type:foldback current limiting  
 reset:auto recovery  
 Temp. coefficient:  $\pm 0.03\%$  /  $^{\circ}\text{C}$  (0~50 $^{\circ}\text{C}$ )  
 Withstand voltage : I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  
 Working temp., humidity : -10 $^{\circ}\text{C}$ ~+60 $^{\circ}\text{C}$ (refer to output derating curve),  
 20%~90% RH  
 Storage temp., humidity : -20 $^{\circ}\text{C}$ ~+85 $^{\circ}\text{C}$ , 10%~95% RH  
 Dimension : 199\*98\*38mm CASE:902



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
19616	SD-100B-12	MEAN WELL	SWITCHING POWER SUPPLY	12V	19-36VDC	0-8.5A	100W	75%
21313	SD-100B-24	MEAN WELL	SWITCHING POWER SUPPLY	24V	19-36VDC	0-4.2A	100W	75%
21312	SD-100B-5	MEAN WELL	DC to DC Single Output Power Converters	5V	19-36VDC	0-20A	100W	75%
21317	SD-100C-12	MEAN WELL	SWITCHING POWER SUPPLY	12V	36-72Vdc	0-8.5A	100W	75%
21314	SD-100C-24	MEAN WELL	SWITCHING POWER SUPPLY	24V	36-72Vdc	0-4.2A	100W	75%
21319	SD-100C-5	MEAN WELL	SWITCHING POWER SUPPLY	5V	36-72Vdc	0-20A	100W	75%
21316	SD-100D-12	MEAN WELL	SWITCHING POWER SUPPLY	12V	72-144Vdc	0-8.5A	100W	75%
21315	SD-100D-24	MEAN WELL	SWITCHING POWER SUPPLY	24V	72-144Vdc	0-4.2A	100W	75%
21320	SD-100D-5	MEAN WELL	SWITCHING POWER SUPPLY	5V	72-144Vdc	0-20A	100W	75%

### FEATURES:

- 2:1 wide input range
- Protections:Short circuit/Over load /voltage
- Built-in EMI filter,low ripple noise
- 100% full load burn-in test
- Low cost
- High reliability
- 1 year warranty

Input voltage range : A: 9.2~18VDC B: 18~36VDC C:36~72VDC  
 Over load : 105% -160%rated output power  
 Protection type : hiccup mode , recovers automatically after  
 fault condition is removed  
 Working temp.: -10 $^{\circ}\text{C}$ ~60 $^{\circ}\text{C}$  (Refer to output load derating curve)  
 Storage temp., Humidity : -20~+85 $^{\circ}\text{C}$ , 10~95% RH  
 Withstand voltage: I/P-O/P:3KVDC I/P-FG:1.5KVDC O/P-FG:0.8KVDC  
 Dimension : 79\*51\*28mm (L\*W\*H)



SD-15 Series



Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
42856	SD-15A-5	MEAN WELL	DC to DC Single Output Power Converters	5V	9.2-18V	3.0A		68%

### FEATURES:

- 2:1 wide input range
- Protections:Short circuit/Over load/  
Over voltage/Over temperature
- 1500VDC I/O isolation
- Cooling by free air convection
- 100% full load burn-in test
- 24V and 48V input voltage design refer to LVD
- 2 years warranty

Input voltage range : B:19 ~ 36VDC C:36 ~ 72VDC D:72 ~144VDC  
 Inrush current(typ.) : C:45A/48VDC D:45A/96VDC  
 Over load : 105 ~ 135%rated output power  
 Protection type :Shut down o/p voltage, re-power on to recover  
 Working temp.: -20 ~ +60 $^{\circ}\text{C}$ (Refer to output load derating curve)  
 Safetystandards : EN60950-1 CBApproved byTUV (for D type only)  
 Withstand voltage: I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC  
 DIMENSION : 215\*115\*50mm (L\*W\*H)



SD-200 Series



CB (for D type only)

Part No.	Product No.	Manufacturer	Description	DCVout	DCVin	Current	Watts	Efficiency %
41391	SD-200B-12	MEAN WELL	DC to DC Single Output Power Converters	12V	19-36V	16.7 A	200W	82%

- We provide a wide range of products to development and maintenance engineers in all type of business
- If you cannot find the components you want on the catalogue, please call us.



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## Centenary Materials

Waiting for your phone call



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