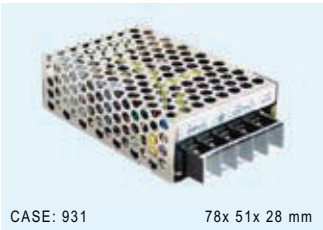
DC/DC Converter 15~50W Enclosed Single Output

15W Single Output DC-DC Converter

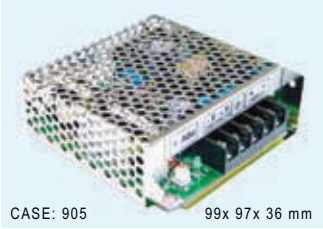


- 2:1 wide input range
- 2000VAC I/O isolation
- Cooling by free air convection
- Protections: Short circuit / Over load / Over voltage
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

DC adjustment range ..... 5V: 4.75~5.5V, 12V: 10.8~13.2V, 24V: 21.6~26.4V
Line and load regulation .... ±0.5% (max.)
Overload protection ..... 105%~160% hiccup mode, auto-recovery
Over voltage protection ..... 115%~135% rated output voltage
Withstand voltage ..... I/P-O/P: 2kVAC, I/P-FG: 1.5kVAC, 1 minute
Working temperature ..... 0~40°C@100%, -10°C@80%, 60°C@60% load
Safety standard ..... Meet LVD
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 0.18kg ; 60pcs / 11.8kg

Model No.	Input	Output	R&N	Effi.
SD-15A-5	9.2~18V	5V, 0~3.0A	100mV	68%
SD-15A-12	9.2~18V	12V, 0~1.25A	120mV	72%
SD-15A-24	9.2~18V	24V, 0~0.625A	150mV	70%
SD-15B-5	18~36V	5V, 0~3.0A	100mV	76%
SD-15B-12	18~36V	12V, 0~1.25A	120mV	76%
SD-15B-24	18~36V	24V, 0~0.625A	150mV	77%
SD-15C-5	36~72V	5V, 0~3.0A	100mV	75%
SD-15C-12	36~72V	12V, 0~1.25A	120mV	79%
SD-15C-24	36~72V	24V, 0~0.625A	150mV	78%

25W Single Output DC-DC Converter

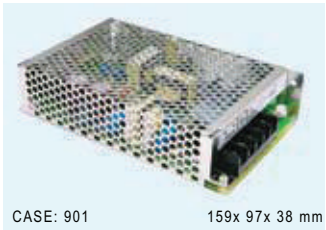


- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Overload / Over voltage
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V
Line and load regulation .... ±0.5% (max.)
Overload protection ..... 105%~150% fold back current limiting, auto-recovery
Over voltage protection ..... 115%~165% rated output voltage
Withstand voltage ..... I/P-O/P: 2kVAC, I/P-FG: 1.5kVAC, 1 minute
Isolation resistance ..... 100MΩ(min.) @500VDC
Working temperature ..... -10°C to +60°C (refer to output derating curve)
Safety standards ..... Meet LVD
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 0.38kg ; 45pcs / 17.8kg / 0.9CUFT

Model No.	Input	Output	R&N	Effi.
SD-25A-5	9.2~18V	5V, 0~5.0A	100mV	71%
SD-25A-12	9.2~18V	12V, 0~2.1A	120mV	72%
SD-25A-24	9.2~18V	24V, 0~1.1A	150mV	75%
SD-25B-5	19~36V	5V, 0~5.0A	100mV	72%
SD-25B-12	19~36V	12V, 0~2.1A	120mV	75%
SD-25B-24	19~36V	24V, 0~1.1A	150mV	78%
SD-25C-5	36~72V	5V, 0~5.0A	100mV	74%
SD-25C-12	36~72V	12V, 0~2.1A	120mV	78%
SD-25C-24	36~72V	24V, 0~1.1A	150mV	81%

50W Single Output DC-DC Converter



- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Over load / Over voltage
- Built-in EMI filter, low ripple noise
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V
Line and load regulation .... ±0.5% (max.)
Overload protection ..... 105%~150% fold back current limiting, auto-recovery
Over voltage protection ..... 115%~165% rated output voltage
Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute
Isolation resistance ..... 100MΩ(min.) @500VDC
Working temperature ..... -10°C to +60°C (refer to output derating curve)
Safety standard ..... Meet LVD
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 0.53kg ; 24pcs / 12.7kg / 0.75CUFT

Model No.	Input	Output	R&N	Effi.
SD-50A-5	9.2~18V	5V, 0~10A	100mV	70%
SD-50A-12	9.2~18V	12V, 0~4.2A	120mV	72%
SD-50A-24	9.2~18V	24V, 0~2.1A	150mV	74%
SD-50B-5	19~36V	5V, 0~10A	100mV	73%
SD-50B-12	19~36V	12V, 0~4.2A	120mV	75%
SD-50B-24	19~36V	24V, 0~2.1A	150mV	80%
SD-50C-5	36~72V	5V, 0~10A	100mV	76%
SD-50C-12	36~72V	12V, 0~4.2A	120mV	78%
SD-50C-24	36~72V	24V, 0~2.1A	150mV	83%



DC/DC Converter

100~350W Enclosed Single Output

100W Single Output DC-DC Converter



CASE: 902 199x 98x 38 mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Overload / Over voltage
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V
Line regulation ..... ±0.5% (max.)
Load regulation ..... ±0.5% (max.)
Overload protection ..... 105%~135% fold back current limiting, auto-recovery
Over voltage protection ..... 115%~165% rated output voltage
Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute
Isolation resistance ..... 100MΩ(min.) @500VDC
Working temperature ..... -10°C to +60°C (refer to output derating curve)
Safety standards ..... Meet LVD, EN60950-1 CB approved by TUV (D type only)
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 0.65kg ; 20pcs / 13.8kg / 0.8CUFT

Model No.	Input	Output	R&N	Effi.
SD-100B-5	19~36V	5V, 0~20A	100mV	74%
SD-100B-12	19~36V	12V, 0~8.5A	120mV	75%
SD-100B-24	19~36V	24V, 0~4.2A	150mV	78%
SD-100C-5	36~72V	5V, 0~20A	100mV	75%
SD-100C-12	36~72V	12V, 0~8.5A	120mV	77%
SD-100C-24	36~72V	24V, 0~4.2A	150mV	81%
SD-100D-5	72~144V	5V, 0~20A	100mV	76%
SD-100D-12	72~144V	12V, 0~8.5A	120mV	80%
SD-100D-24	72~144V	24V, 0~4.2A	150mV	83%

150W Single Output DC-DC Converter



CASE: 906 199x 110x 50 mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Over load / Over voltage
- Built-in EMI filter, low ripple noise
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

DC adjustment range ..... 12V: 11~16V, 24V: 23~30V
Line regulation ..... ±0.5% (max.)
Load regulation ..... ±0.5% (max.)
Overload protection ..... 105%~135% fold back current limiting, auto-recovery
Over voltage protection ..... 130%~165% rated output voltage
Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute
Isolation resistance ..... 100MΩ(min.) @500VDC
Working temperature ..... -10°C ~ +60°C (refer to output derating curve)
Safety standards ..... Meet LVD, EN60950-1 CB approved by TUV (D type only)
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 0.86kg ; 16pcs / 14.5kg / 0.95CUFT

Model No.	Input	Output	R&N	Effi.
SD-150B-12	19~36V	12V, 0~12.5A	120mV	75%
SD-150B-24	19~36V	24V, 0~6.3A	150mV	77%
SD-150C-12	36~72V	12V, 0~12.5A	120mV	77%
SD-150C-24	36~72V	24V, 0~6.3A	150mV	80%
SD-150D-12	72~144V	12V, 0~12.5A	120mV	79%
SD-150D-24	72~144V	24V, 0~6.3A	150mV	82%

200W Single Output DC-DC Converter



CASE: 912B 215x 115x 50 mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V, 48V: 43~53V
Voltage tolerance..... ±2% (max.)
Overload protection ..... 105%~135% shut off, re-power on to recover
Over voltage protection ..... 110%~167% rated output voltage
Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute
Working temperature ..... -20°C to +60°C (refer to output derating curve)
Safety standards ..... Meet LVD, EN60950-1 CB approved by TUV (D type only)
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 1.1kg ; 12pcs / 14.4kg / 0.92CUFT

Model No.	Input	Output	R&N	Effi.
SD-200B-5	19~36V	5V, 0~34.0A	100mV	79%
SD-200B-12	19~36V	12V, 0~16.7A	120mV	82%
SD-200B-24	19~36V	24V, 0~8.40A	150mV	85%
SD-200B-48	19~36V	48V, 0~4.20A	200mV	86%
SD-200C-5	36~72V	5V, 0~40.0A	100mV	81%
SD-200C-12	36~72V	12V, 0~16.7A	120mV	84%
SD-200C-24	36~72V	24V, 0~8.40A	150mV	86%
SD-200C-48	36~72V	48V, 0~4.20A	200mV	86%
SD-200D-5	72~144V	5V, 0~40.0A	100mV	82%
SD-200D-12	72~144V	12V, 0~16.7A	120mV	82%
SD-200D-24	72~144V	24V, 0~8.40A	150mV	84%
SD-200D-48	72~144V	48V, 0~4.20A	200mV	90%

350W Single Output DC-DC Converter



CASE: 912A 215x 115x 50 mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Protections: Short circuit / Over load / Over voltage / Over temp.
- Forced air cooling by built-in DC fan
- 100% full load burn-in test
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 11~16V, 24V: 23~30V, 48V: 43~53V
Voltage tolerance ..... ±2% (max.)
Overload protection ..... 105%~135% shut off, re-power on to recover
Over voltage protection ..... 110%~167% rated output voltage
Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute
Working temperature ..... -20°C ~ +60°C (refer to output derating curve)
Safety standards ..... Meet LVD, EN60950-1 CB approved by TUV (D type only)
EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204
Packing ..... 1.1kg ; 12pcs / 14.4kg / 0.92CUFT

Model No.	Input	Output	R&N	Effi.
SD-350B-5	19~36V	5V, 0~57.0A	100mV	74%
SD-350B-12	19~36V	12V, 0~27.5A	120mV	80%
SD-350B-24	19~36V	24V, 0~14.6A	150mV	80%
SD-350B-48	19~36V	48V, 0~7.30A	200mV	84%
SD-350C-5	36~72V	5V, 0~60.0A	100mV	76%
SD-350C-12	36~72V	12V, 0~27.5A	120mV	81%
SD-350C-24	36~72V	24V, 0~14.6A	150mV	81%
SD-350C-48	36~72V	48V, 0~7.30A	200mV	82%
SD-350D-5	72~144V	5V, 0~60.0A	100mV	78%
SD-350D-12	72~144V	12V, 0~29.2A	120mV	83%
SD-350D-24	72~144V	24V, 0~14.6A	150mV	87%
SD-350D-48	72~144V	48V, 0~7.30A	200mV	89%