

DC/DC Converters 15~1000W Enclosed Single Output



15W Single Output DC-DC Converter



AS/NZS62368-1 TPTC004



CASE: 931 78x51x28mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Cooling by free air convection
- Protection: Short circuit / Over load / Over voltage
- Built-in EMI filter, low ripple & noise
- 100% full load burn-in test
- Low cost, high reliability
- **2 year 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:1.5kVAC, I/P-FG:1kVAC, O/P-FG:0.5kV
 Isolation resistance 100MΩ (min) @500VDC
 Working temperature -10°C ~ 60°C (see output derating curve)
 Safety standard Meets LVD, EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 0.18kg

Model No.	Input	Output	R&N	Eff.
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%

50W Single Output DC-DC Converter



AS/NZS62368-1 TPTC004



CASE: 901 159x97x38mm

- 2:1 wide input range
- 1500VAC I/O isolation
- Protection: 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 year 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% hiccup mode, auto-recovery
 Over voltage protection 115~165% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:2kVAC, O/P-FG:0.5kV
 Isolation resistance 100MΩ (min) @500VDC
 Working temperature -10°C ~ +60°C (see output derating curve)
 Safety standard Meets LVD, AS/NZS62368.1, EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 0.48kg

Model No.	Input	Output	R&N	Eff.
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%

25W Single Output DC-DC Converter



AS/NZS62368-1 TPTC004



CASE: 905 99x97x36mm

- 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 year 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% hiccup mode, auto-recovery
 Over voltage protection 115~165% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:2kVAC, O/P-FG:0.5kV
 Isolation resistance 100MΩ (min) @500VDC
 Working temperature -10°C to +60°C (see output derating curve)
 Safety standards Meets LVD, EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 0.38kg

Model No.	Input	Output	R&N	Eff.
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%

100W Single Output DC-DC Converter



AS/NZS 62368-1 BS EN 62368-1 (for D type only) TPTC004 IEC 62368-1 (for D type only)

CASE: 902 199x98x38mm

- 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 year 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% hiccup mode, auto-recovery
 Over voltage protection 115~165% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:1.5kVAC, O/P-FG:0.5kV
 Isolation resistance 100MΩ (min) @500VDC
 Working temperature -10°C ~ +60°C (-15°C for SD-100A)
 Safety standards LVD, EN62368-1 CB approved TUV (D type only), EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 0.65kg

Model No.	Input	Output	R&N	Eff.
SD-100A-5	9.5~18V	5V, 0~18A	100mV	78%
SD-100A-12	9.5~18V	12V, 0~8.5A	120mV	82%
SD-100A-24	9.5~18V	24V, 0~4.2A	150mV	84%
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



AS/NZS 62368-1 BS EN 62368-1 (for D type only) TPTC004 IEC 62368-1 (for D type only)

CASE: 906 199x110x50mm

- 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 year warranty**

DC adjustment range **12V:** 11~16V, **24V:** 23~30V
 Line regulation ±0.5% (max)
 Load regulation ±0.5% (max)
 Overload protection 105~135% hiccup mode, auto-recovery
 Over voltage protection 130~165% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:2kVAC, O/P-FG:0.5kV
 Isolation resistance 100MΩ (min) @500VDC
 Working temperature -10°C ~ +60°C (see output derating curve)
 Safety standards Meets LVD, EN62368-1 CB approved by TUV (D type only), EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 0.86kg

Model No.	Input	Output	R&N	Eff.
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%

* also 85~132VAC

200W Single Output DC-DC Converter



AS/NZS 62368-1 UL62368-1 TPTC004

CASE: 912B 215x115x50mm

- 2:1 wide input range
- 1500 VAC I/O isolation
- Protection: Short circuit / Overload / Over voltage / Over temp.
- Cooling by free air convection
- 100% full load burn-in test
- **2 year 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 down, re-power on
 Over voltage protection 110~167% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:2kVAC, O/P-FG:0.5kV
 Working temperature -20°C ~ +60°C (see derating curve)
 Safety standards LVD, EN62368-1, CB approved TUV (D type only), EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 1.1kg

Model No.	Input	Output	R&N	Eff.
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, 0~34.0A	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



AS/NZS 62368-1 TPTC004

CASE: 912A 215x115x50mm

- 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 year 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 down, re-power on
 Over voltage protection 110%~167% rated output voltage
 Withstand voltage I/P-O/P:1.5kVAC, I/P-FG:2kVAC, O/P-FG:0.5kV
 Working temperature -20°C ~ +60°C (see derating curve)
 Safety standards Meets LVD, EN62368-1 CB approved by TUV (D type only), EAC TP TC 004
 EMC standards EN55032 class B, EN61000-4-2,3,4,6,8
 Weight 1.1kg

Model No.	Input	Output	R&N	Eff.
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, 0~27.5A	120mV	83%
SD-350D-24	72~144V	24V, 0~14.6A	150mV	87%
SD-350D-48	72~144V	48V, 0~7.30A	200mV	89%

+ can also be supplied with constant current limit

500W Single Output DC-DC Converter



CASE: 912A 215x115x50mm

- 4:1 & 2:1 DC input range
- DC input active surge current limiting
- Protection: Short circuit / Overload / Over voltage / Over temp
- Input polarity (by fuse)
- 2000VAC I/O Isolation
- Forced air cooling by built-in DC fan with fan speed control function
- Output OK signal
- Built-in remote ON-OFF control
- Built-in remote sense function
- **3 year warranty**

DC adjustment range **12V:** 11~15V, **24V:** 23~30V, **48V:** 46~60V
 Line regulation ±0.5% (max)
 Load regulation ±0.5% (max)
 Overload protection 105%~125% constant current limiting, shut down after 5sec., re-power on to recover
 Over voltage protection 130~160% rated output voltage
 Withstand voltage I/P-O/P:2kV, I/P-FG:2kV, O/P-FG:0.5kV
 Isolation resistance..... 100MΩ (min) @500VDC
 Working temperature.....-20°C ~ +60°C (see derating curve)
 Safety standards.....IEC62368-1 CB approved TUV
 EMC standards.....EN55032 class B, EN61000-4-2,3,4,6,8
 Weight.....1.15kg

Model No.	Input	Output	R&N	Eff.
SD-500L-12	19~72V	12V, 0~40A	150mV	86%
SD-500L-24	19~72V	24V, 0~21A	150mV	88%
SD-500L-48	19~72V	48V, 0~10.5A	150mV	89%
SD-500H-12	72~144V	12V, 0~40A	150mV	87%
SD-500H-24	72~144V	24V, 0~21A	150mV	89%
SD-500H-48	72~144V	48V, 0~10.5A	150mV	90%

1000W Single Output DC-DC Converter



CASE: 952B 295x127x41mm

- 4:1 & 2:1 wide input range
- 2000VAC I/O Isolation
- Protection: Short circuit / Overload / Over voltage / Over temp.
- Forced air cooling by built-in DC fan
- High power density 10.7W/inch³
- 1U low profile 41mm
- Output OK signal
- 12V / 0.25A auxiliary output
- Built-in remote ON/OFF control
- Built-in remote sense function
- **3 year warranty**

DC adjustment range **12V:** 11~15V, **24V:** 23~30V, **48V:** 46~60V
 Line regulation ±0.5% (max)
 Load regulation ±0.5% (max)
 Overload protection 105~125% constant current limiting, shut down after 5sec., re-power on to recover
 Over voltage protection 130~160% rated output voltage
 Withstand voltage I/P-O/P:2kV, I/P-FG:2kV, O/P-FG:0.5kV
 Isolation resistance..... 100MΩ (min) @500VDC
 Working temperature.....-20°C ~ +60°C (see derating curve)
 Safety standards.....IEC62368-1 CB approved TUV
 EMC standards.....EN55032 class B, EN61000-4-2,3,4,6,8
 Weight.....1.94kg

Model No.	Input	Output	R&N	Eff.
SD-1000L-12	19~72V	12V, 0~60A	150mV	84%
SD-1000L-24	19~72V	24V, 0~40A	150mV	88%
SD-1000L-48	19~72V	48V, 0~21A	150mV	90%
SD-1000H-12	72~144V	12V, 0~60A	150mV	85%
SD-1000H-24	72~144V	24V, 0~40A	150mV	89%
SD-1000H-48	72~144V	48V, 0~21A	150mV	92%

Please refer to www.procontechtechnology.com.au for detailed specs.