

# DC/DC Converter

5~45W PCB Type



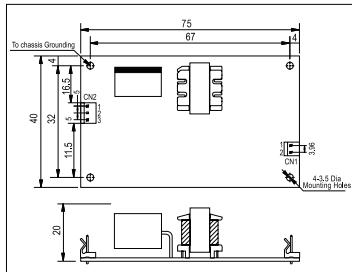
## 5W Single Output DC-DC Converter

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

CE



75x 40x 20 mm



Line and load regulation .... ±1.0% (max.)

Overload protection ..... >105% fold back current limiting, auto-recovery

Over voltage protection .... 115%~135% 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

Connection ..... 3P, 2P / 3.96mm pitch, Molex 5285-03, 5273-02

Packing ..... 0.05kg ; 120pcs / 6.25kg / 1.0CUFT

Model No.	Input	Output	R&N	Effi.
PSD-05-5	36~72V	5V, 0~1.0A	50mV	75%
PSD-05-12	36~72V	12V, 0~0.45A	100mV	78%
PSD-05-24	36~72V	24V, 0~0.22A	150mV	78%

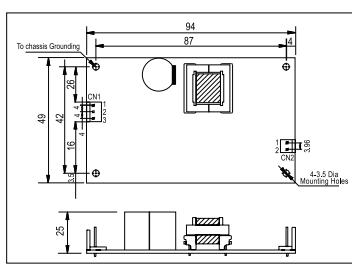
## 15W Single Output DC-DC Converter

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

CE



94x 49x 25 mm



Line and load regulation .... ±1.0% (max.)

Overload protection ..... 105%~150% 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

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

Connection ..... 3P, 2P / 3.96mm pitch, JST B3P/B2P-VH

Packing ..... 0.081kg ; 120pcs / 10.72kg

Model No.	Input	Output	R&N	Effi.
PSD-15A-5	9.2~18V	5V, 0~3.0A	50mV	74%
PSD-15A-12	9.2~18V	12V, 0~1.25A	100mV	67%
PSD-15A-24	9.2~18V	24V, 0~0.6A	100mV	72%
PSD-15B-5	18~36V	5V, 0~3.0A	50mV	78%
PSD-15B-12	18~36V	12V, 0~1.25A	100mV	78%
PSD-15B-24	18~36V	24V, 0~0.6A	100mV	78%
PSD-15C-5	36~72V	5V, 0~3.0A	50mV	78%
PSD-15C-12	36~72V	12V, 0~1.25A	100mV	78%
PSD-15C-24	36~72V	24V, 0~0.6A	100mV	79%

## 30W Single Output DC-DC Converter

CE



NEW

## 30W Single Output DC-DC Converter

- 2:1 wide input range
- Protections: Short circuit / Overload / Over voltage / Reverse polarity
- 1500VAC I/O isolation
- Cooling by free air convection
- 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: 11~13.5V, 24V: 22~26V

Line and load regulation .. ±1% (max.)

Overload protection ..... 105%~150% fold back current limiting, auto-recovery

Over voltage protection ... 115%~135% rated output voltage

Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute

Working temperature ..... -20~60°C (refer to output derating curve)

EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, EN55024

Connection ..... 3P, 4P / 3.96mm pitch, JST B3P/B4P-VH-B

Model No.	Input	Output	R&N	Effi.
PSD-30A-05	9~18V	5V, 0~5.0A	100mV	77%
PSD-30A-12	9~18V	12V, 0~2.5A	120mV	76%
PSD-30A-24	9~18V	24V, 0~1.25A	150mV	80%
PSD-30B-05	18~36V	5V, 0~5.0A	100mV	80%
PSD-30B-12	18~36V	12V, 0~2.5A	120mV	80%
PSD-30B-24	18~36V	24V, 0~1.25A	150mV	84%
PSD-30C-05	36~72V	5V, 0~5.0A	100mV	82%
PSD-30C-12	36~72V	12V, 0~2.5A	120mV	82%
PSD-30C-24	36~72V	24V, 0~1.25A	150mV	84%

## 45W Single Output DC-DC Converter

CB CE



NEW

## 45W Single Output DC-DC Converter

- 2:1 wide input range
- Protections: Short circuit / Overload / Over voltage / Reverse polarity
- Cooling by free air convection
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Fixed switching frequency at 96kHz
- Low cost
- 2 years warranty

DC adjustment range ..... 5V: 4.5~5.5V, 12V: 10.8~13.2V,

24V: 21.6~26.4V

Line and load regulation .... ±1% (max.)

Overload protection ..... 105%~160% shut down, re-power on to recover

Over voltage protection .... 115%~135% rated output voltage

Withstand voltage ..... I/P-O/P: 1.5kVAC, I/P-FG: 1.5kVAC, 1 minute

Working temperature ..... -10~60°C (refer to output derating curve)

Safety standards ..... EN60950-1 CB approved by TUV

EMC standards ..... EN55022 class B, EN61000-4-2,3,4,6,8, EN55024

Connection ..... 2P, 6P / 3.96mm pitch, Molex 5277-02, 5273-06

Packing ..... 0.19kg ; 72pcs / 15.6kg / 1.35CUFT

Model No.	Input	Output	R&N	Effi.
PSD-45A-05	9.2~18V	5V, 0~6.0A	100mV	74%
PSD-45A-12	9.2~18V	12V, 0~2.5A	120mV	79%
PSD-45A-24	9.2~18V	24V, 0~1.25A	150mV	80%
PSD-45B-05	18~36V	5V, 0~9.0A	100mV	77%
PSD-45B-12	18~36V	12V, 0~3.75A	120mV	82%
PSD-45B-24	18~36V	24V, 0~1.875A	150mV	85%
PSD-45C-05	37~72V	5V, 0~9.0A	100mV	80%
PSD-45C-12	37~72V	12V, 0~3.75A	120mV	83%
PSD-45C-24	37~72V	24V, 0~1.875A	150mV	86%