



Enclosed DC/DC Converters

25W to 350W

PSD-25X-XX - PSD-50X-XX
PSD-100X-XX - PSD-150X-XX
PSD-200X-XX - PSD-350X-XX

- Wide Input Range - 2:1
- Inputs from 9.2V - 144 (depending on model)
- 5V - 48V d.c. outputs
- Easy to mount - Optional DIN rails adaptor
- Screw Terminals
- 100% full load burn in test
- Over load protection
- Over voltage protection
- Low Cost - High Reliability



DESCRIPTION

This range offers DC to DC converters for many applications. With power outputs from 25 watts to 350W and output voltages from 5 to 48 Volts these will find many uses.

25 WATT

<u>Model</u>	<u>Input</u>	<u>Output V & I</u>	<u>Adjustment</u>
PSD-25A-5	9.2~18V	5V, 5A	4.5V ~ 5.5V
PSD-25A-12	9.2~18V	12V, 2.1A	11V ~ 16V
PSD-25A-24	9.2~18V	24V, 1.1A	23V ~ 30V
PSD-25B-5	19~36V	5V, 5A	4.5V ~ 5.5V
PSD-25B-12	19~36V	12V, 2.1A	11V ~ 16V
PSD-25B-24	19~36V	24V, 1.1A	23V ~ 30V
PSD-25C-5	36~72V	5V, 5A	4.5V ~ 5.5V
PSD-25C-12	36~72V	12V, 2.1A	11V ~ 16V
PSD-25C-24	36~72V	24V, 1.1A	23V ~ 30V

50 WATT

<u>Model</u>	<u>Input</u>	<u>Output V & I</u>	<u>Adjustment</u>
PSD-50A-5	9.2~18V	5V, 10A	4.5V ~ 5.5V
PSD-50A-12	9.2~18V	12V, 4.2A	11V ~ 16V
PSD-50A-24	9.2~18V	24V, 2.1A	23V ~ 30V
PSD-50B-5	19~36V	5V, 10A	4.5V ~ 5.5V
PSD-50B-12	19~36V	12V, 4.2A	11V ~ 16V
PSD-50B-24	19~36V	24V, 2.1A	23V ~ 30V
PSD-50C-5	36~72V	5V, 10A	4.5V ~ 5.5V
PSD-50C-12	36~72V	12V, 4.2A	11V ~ 16V
PSD-50C-24	36~72V	24V, 2.1A	23V ~ 30V

100 WATT

<u>Model</u>	<u>Input</u>	<u>Output V & I</u>	<u>Adjustment</u>
PSD-100B-5	19~36V	5V, 20A	4.5V ~ 5.5V
PSD-100B-12	19~36V	12V, 8.5A	11V ~ 16V
PSD-100B-24	19~36V	24V, 4.2A	23V ~ 30V
PSD-100C-5	36~72V	5V, 20A	4.5V ~ 5.5V
PSD-100C-12	36~72V	12V, 8.5A	11V ~ 16V
PSD-100C-24	36~72V	24V, 4.2A	23V ~ 30V
PSD-100D-5	72 ~ 144V	5V, 20A	4.5V ~ 5.5V
PSD-100D-12	72 ~ 144V	12V, 8.5A	11V ~ 16V
PSD-100D-24	72 ~ 144V	24V, 4.2A	23V ~ 30V

150 WATT

<u>Model</u>	<u>Input</u>	<u>Output V & I</u>	<u>Adjustment</u>
PSD-150B-12	19~36V	12V, 12.5A	11V ~ 16V
PSD-150B-24	19~36V	24V, 6.3A	23V ~ 30V
PSD-150C-12	36~72V	12V, 12.5A	11V ~ 16V
PSD-150C-24	36~72V	24V, 6.3A	23V ~ 30V
PSD-150D-12	72 ~ 144V	12V, 12.5A	11V ~ 16V
PSD-150D-24	72 ~ 144V	24V, 6.3A	23V ~ 30V



200 WATT**350 WATT**

Model	Input	Output V & I	Adjustment	Model	Input	Output V & I	Adjustment
PSD-200B-5	19~36V	5V, 40A	4.5V ~ 5.5V	PSD-350B-5	19~36V	5V, 57A	4.5V ~ 5.5V
PSD-200B-12	19~36V	12V, 16.7A	11V ~ 16V	PSD-350B-12	19~36V	12V, 27.5A	11V ~ 16V
PSD-200B-24	19~36V	24V, 8.4A	23V ~ 30V	PSD-350B-24	19~36V	24V, 14.6A	23V ~ 30V
PSD-200B-48	19~36V	48V, 4.2A	43V ~ 53V	PSD-350B-48	19~36V	48V, 7.3A	43V ~ 53V
PSD-200C-5	36~72V	5V, 40A	4.5V ~ 5.5V	PSD-350C-5	36~72V	5V, 57A	4.5V ~ 5.5V
PSD-200C-12	36~72V	12V, 16.7A	11V ~ 16V	PSD-350C-12	36~72V	12V, 27.5A	11V ~ 16V
PSD-200C-24	36~72V	24V, 8.4A	23V ~ 30V	PSD-350C-24	36~72V	24V, 14.6A	23V ~ 30V
PSD-200C-48	36~72V	48V, 4.2A	43V ~ 53V	PSD-350C-48	36~72V	48V, 7.3A	43V ~ 53V
PSD-200D-5	72 ~ 144V	5V, 40A	4.5V ~ 5.5V	PSD-350C-5	72 ~ 144V	5V, 57A	4.5V ~ 5.5V
PSD-200D-12	72 ~ 144V	12V, 16.7A	11V ~ 16V	PSD-350C-12	72 ~ 144V	12V, 27.5A	11V ~ 16V
PSD-200D-24	72 ~ 144V	24V, 8.4A	23V ~ 30V	PSD-350C-24	72 ~ 144V	24V, 14.6A	23V ~ 30V
PSD-200D-48	72 ~ 144V	48V, 4.2A	43V ~ 53V	PSD-350C-48	72 ~ 144V	48V, 7.3A	43V ~ 53V

SPECIFICATION

Ripple & Line/Load regulation	+/- 0.5% max.SD-200 & SD-350 series +/-2% max
Ripple & noise	Typically 100mV
Overload protection	105%~150% output pulsing mode
Over voltage protection	115%~165% of output voltage
Withstand voltage	I/P-O/P:1.5KV, I/P-FG:1.5KV, O/P-FG:0.5KV, 1min.
Isolation resistance	500VDC 100M
Op. temp	-10C ~ +60C SD-200 & SD-350 series -20C~+60C (derate above 50C to 75% at 60C)
EMC standards	EN55022 class B, EN61000-4-2,3,4,6,8 & ENV50204
Terminals	Screw Terminals
Dimensions (millimeters)	25 WATT L99 x W97 x H34
	50 WATT L159 x W97 x H38
	100 WATT L199 x W98 x H38
	150 WATT L199 x W110 x H50
	200 WATT L215 x W115 x H50
	350 WATT L215 x W115 x H50 (built in Fan)



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