



Model : **SPS-DD250B** 250W

DC TO DC SPECIFICATION

**DC INPUT: 36 VDC TO 72 VDC. ( 48VDC )**

## OUTPUT

	Output-1	Output-2	Output-3	Output-4
Voltage	+5V DC	+12V DC	-5V DC	-12V DC
Maximum Load	25A	8A	1A	2A
Minimum Load	5A	2A	0A	0A
Ripple	<b>20mV</b>	<b>40mV</b>	50mV	120mV
Ripple/ Noise	<b>60mV</b>	120mV	50mV	120mV
Line Regulation	±1%	±1%	±1%	±1%
Load Regulation	±5%	±5%	±2%	±10%
Cross Regulation	±5%	±5%	±2%	±10%

## OVERALL PERFORMANCE

- Total Output Power: 250W continuous output
- Efficiency: 70% typical at full load
- Hold Up Time: 16ms at maximum load and normal input voltage ( 48VDC ).
- Power Good: TTL compatible signal out with 100ms to 500ms

## FEATURE

- Short Circuit Protection: all output equipped with short circuit protection
- Over Power Protection: peak power protected between 110% ~ 125% of continuous rated power
- Over Voltage Protection: +6V ± 0.5V by +5V

## ENVIROMENTAL CONDITIONS

- Operating Temperature: 0°C ~ 50°C ambient

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- Cooling : by forced air
- Storage Temperature: -20<sup>0</sup>C ~ +85<sup>0</sup>C ambient
- Storage Humidity: 10 ~ 90%

## RELIABILITY

- Mean Time Between Failure: **50K** hours at 25<sup>0</sup>C ambient

## DIMENTION

- PS/2 TYPE: 150(L)x 140(W)x 86(H) / mm

## MAIN COMPONENTS

- MOSFET IRFP250\* 2
- SCHOTTKY DIODE D83-004\* 2
- FASTER DIODE C16P20F 16A/ 200V for +12V
- 7905 for [-5V@1A](#)
- BALL BEARING FAN ( TWO BALL)

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