



Model: R2A-DV1200N

Art.: 99997004

High Quality 1200 Watt redundant 2U Server Power Supply with 80PLUS® Platinum certification

1200 Watt

Wide range input

80PLUS® Platinum

Features

1200W redundant power supply
Accustic and visual alarm signal at power or fan failure
I²C Bus (PMBus compatible) to transmit failures, voltage and current data to compatible mainboards or backplanes.

Input

Voltage	AC 100 - 240 V~
Frequency	50/60Hz
Inrush current	<45A @230V~
Power input	<10A @230V~

Output

<u>Voltage</u>	<u>Rated current</u>
+ 3,3V	max. 25A
+ 5V	max. 25A
+ 12V	max. 97A
- 12V	max. 1A
+ 5Vsb	max. 4A
Rated power	1200W
Tolerance	+/- 5%
Ripple/ Noise	<50mV @ +3,3V, +5V, +5Vsb <120mV @+12V, +12V
Setup time	3s @ +12V 1,5s @ +5Vsb
Rise time	25ms @ +3,3V, +5V, +5Vsb, -12V 70ms @ +12V
Hold up time	70ms @ +5Vsb 13ms @ +12V

Safety

Overvoltage protection

Input	@ 316V (Recovery autom. Vin < 310V)
Output +12V	@ 13,3 - 14,5V
Output +3,3V	@ 3,9 - 4,5V
Output +5V/ +5Vsb	@ 5,7 - 6,5V
Output -12V	@ -13,3 - -14,5V

Undervoltage protection

Input	@ 74V (Recovery autom. $V_{in} > 84V$)
Output +12V	@ 9,0 - 10,5V
Output +3,3V	@ 2,0 - 2,5V
Output +5V/ +5Vsb	@ 3,0 - 4,0V
Output -12V	@ -9,0 - -10,5V

Over temperature protection

Warning	@ 62° +/-5°
Shutdown	@ 64° +/-5°
Recovery	@ 60° +/-5°

Short circuit protection

+12V/ 5V Protection to GND (Recovery autom. after short circuit removed)
+3,3V, +5V, -12V Protection to GND (Recovery only manually)

Overcurrent protection

Output +12V	105 - 125A (Recovery autom.)
Output +3,3V/ +5V	31 - 40A (Recovery manually)
Output +5Vsb	4,4 - 7,0A (Recovery autom.)
Output -12V	1,1 - 2,0A (Recovery manually)

Fan alert

If Rpm < 500 U/m

Economic data

Efficiency

@ 10% Load	90,46 %
@ 20% Load	90,96 %
@ 50% Load	94,33 %
@ 100% Load	91,75 %

Standby	< 0,5A
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LEDs

Off	No input
Green	Power supply ready
Green blinking	Input- On, Power supply - Off, 5Vsb - On
Orange	One module no input
Orange blinking	Warning for temperature, fan, overload

Environmental

Temperature	0°C - 50°C (Operating) -20°C - 70°C (Storage)
Humidity	10% - 90% (Operating, non condensing) 50% - 95% (Storage, non condensing)
Amplitude	0 - 5000m (Operating) 0 - 15000m (Storage)

Scope of delivery		Power supply
Warranty		36 Months
Logistic data	Dimension	270 x 100 x 84 mm
	Net weight	3,11 kgs
	Gross weight	3,40 kgs
	Article number	99997004
	GTIN	4260455648271
	Packing unit	1 pcs 4 pcs (carton)

Cable configuration

