

# Power supply unit ATX 45W with single 12VDC power source

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**DP032** REV1.3

## Input connectors:

PC-G2.1 (for plug  $\varnothing 5.5 \times 2.1 \times 11$ )

## Input features:

Minimum input voltage: +12V

Maximum input voltage: +14V

Nominal input voltage: +12,6V

Maximum consumption current: 5A

## Output connectors:

20-pin ATX MF2x10SH (power rails: +5Vsb, +5V, +3.3V, +12V, -12V, GND, PS-ON, PG)

4-pin for HDD ATA TH-4F (power rails: +5V, GND, +12V)

15-pin for HDD SATA (power rails: +5V, GND, +12V)

4-pin – aux. output +12B MF2x02SH (power rails: GND, +12V)

## Output features:

Power rail	Nominal voltage, V	Nominal voltage tolerance range, %	Maximum current, A
+5Vsb	5	+5 / -3	5 <sup>(1)</sup>
+5V	5	+5 / -3	5 <sup>(1)</sup>
+3.3V	3.3	$\pm 2$	5.5
+12V	12 <sup>(2)</sup>	$\pm 3$	2
-12V	-12 <sup>(3)</sup>	—	0.04 <sup>(4)</sup>

<sup>(1)</sup> Maximum combined current on +5Vsb and +5V outputs

<sup>(2)</sup> Input voltage value should be not less then 12.6V

<sup>(3)</sup> PSU does not have a regulated +12V output, but simply passes the 12V of the input supply voltage. Maximum output voltage with no-load not exceed input value. Minimum output voltage value with current load 0.1A and input voltage 12V is not less then 10V.

<sup>(4)</sup> Output voltage value should be not less then -9.6 V

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**J4 SATA POWER OUT**

Pin	Description	Wire Color
1..3	n.c	n.c
4..6	GND	Black
7..9	+5V	Red
10..12	GND	Black
13..15	+12V	Yellow

**J3 +12V OUT MF2x02SH**  
(MOLEX 39-01-2040)

Pin	Description	Wire Color
1	GND	Black
2	GND	Black
3	+12V	Yellow
4	+12V	Yellow

**J2 HDD OUT TH-4F**  
(MOLEX 8981-04P)

Pin	Description	Wire Color
1	+12V	Yellow
2	GND	Black
3	GND	Black
4	+5V	Red

**J1 ATX OUT MF2x10SH**  
(MOLEX 39-01-2200)

Pin	Description	Pin	Description
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	GND	13	GND
4	+5V	14	PS_ON
5	GND	15	GND
6	+5V	16	GND
7	GND	17	GND
8	PWR_GD	18	NC
9	+5V_SB	19	+5V
10	+12V	20	+5V



