

## BEPR-506H

60 Watt

- 60 Watt redundant fanless power!
- 2 power inputs
- Very compact dimensions

The new 60 W redundant ATX PC power supply has been designed for installation in fanless industrial computers. Thanks to its innovative circuit design it is characterized by an excellent voltage regulation. The redundant power supply ensures maximum reliability. As far as output is concerned, no base load is required. The +5 V<sub>sb</sub> high power output can withstand loads of up to 3 A.



**NEW**



AC input

Technical data	
Input voltage	90...264 V AC
Input frequency	47...63 Hz
Input current	2 A (115 V AC) / 1 A (230 V AC)
Inrush current	35 A (115 V AC / 25 °C) / 70 A (230 V AC / 25 °C), cold start
Efficiency	App. 76 % (nominal load)
Standby consumption	App. 4.4 W
Hold-up-time	20 ms at 115 V AC and 80% of full load
Power-Good-Signal	Switch on delay 100...550 ms, Switch off delay 1 ms
Protection	Short circuit protection: Every output voltage shutdown, 5V <sub>sb</sub> with restart Overload protection: 120...170 %, switch off Overvoltage protection: switch off, +3.3 V (3.6...4.3 V), +5 V (5.6...6.5 V), +12 V (13.2...15 V)
Earth leakage current	<3.5 mA
Safety / EMC	TÜV IEC/EN60950-1, UL60950-1, CE
Operating temperature	0...+70 °C
Derating	+40...+70 °C, 1.33 % / °C
MTBF	486 131 h according to MIL-HDBK-217F at +25 °C
Storage temperature	-20...+80 °C
Operating humidity	20...80 % RH, non-condensing
Dimensions (WxDxH)	106 x 190 x 39.5 mm ±0.4 mm
Weight (net)	1.1 kg

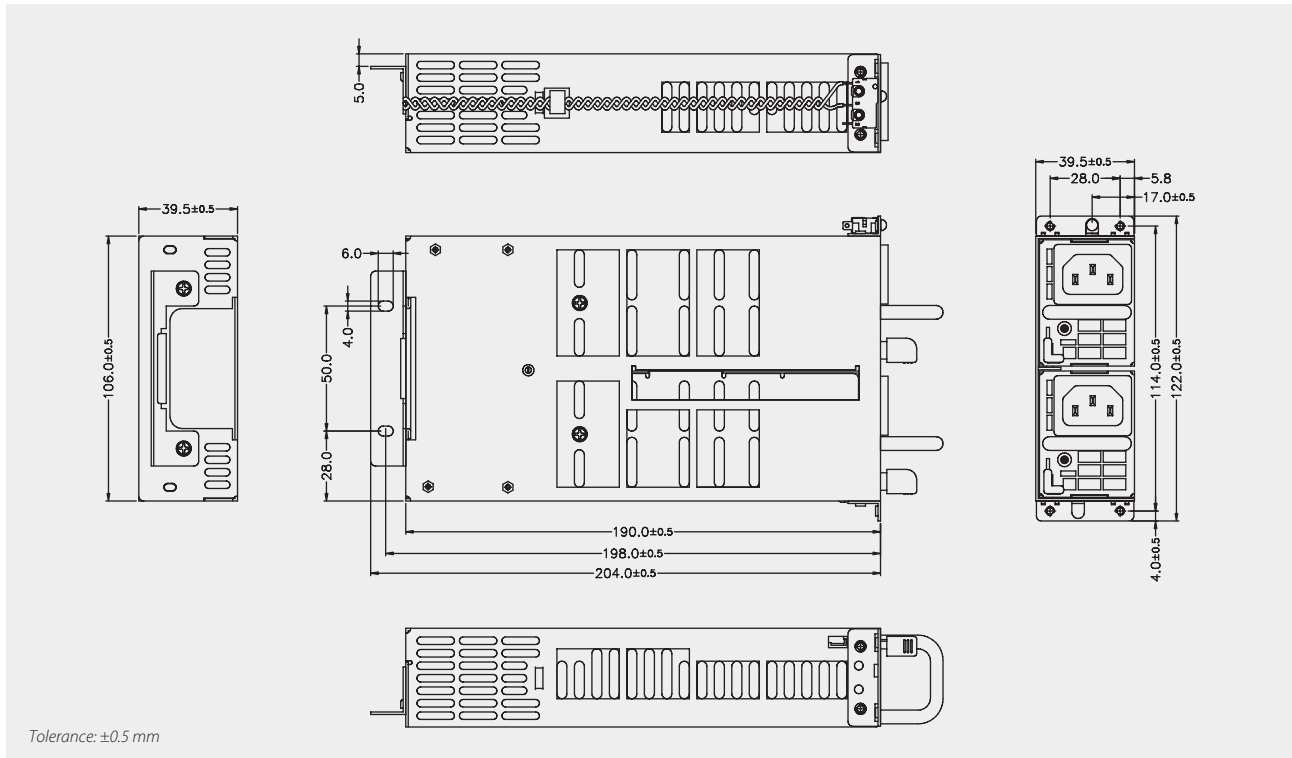
Product specific data	
Alarm functions	1. TTL signal, 2. Failure LED, 3. Reset for acoustic alarm
Combined output power	Max. output power is 60 W (fanless), max. load at +3.3 V and +5 V is 30 W

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEPR-506H	+3.3 V	0 A	6 A	±5 %	50 mV
	+5 V	0 A	6 A	±5 %	50 mV
	+12 V	0.1 A	5 A	±5 %	120 mV
	-12 V	0 A	0.3 A	±10 %	120 mV
	+5 V <sub>sb</sub>	0 A	3 A	±5 %	50 mV

Output power is 60 W without fan. Max. output power at +3.3 V and +5 V is 30 W.

This power supply is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

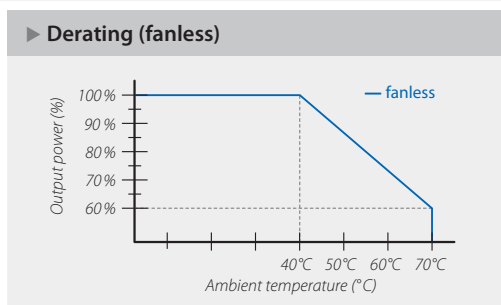
## Drawing BEPR-506H



## Cable harness BEPR-506H

<p>ATX, 250 mm 20+4 Pin</p>		<table border="0"> <tr><td>BLACK (GND)</td><td>24</td><td>12</td><td>ORANGE (+3,3V)</td></tr> <tr><td>RED (+5V)</td><td>23</td><td>11</td><td>YELLOW (+12V)</td></tr> <tr><td>RED (+5V)</td><td>22</td><td>10</td><td>YELLOW (+12V)</td></tr> <tr><td>RED (+5V)</td><td>21</td><td>9</td><td>PURPLE (+5Vsb)</td></tr> <tr><td>NC</td><td>20</td><td>8</td><td>GREY (PWR-OK)</td></tr> <tr><td>BLACK (GND)</td><td>19</td><td>7</td><td>BLACK (GND)</td></tr> <tr><td>BLACK (GND)</td><td>18</td><td>6</td><td>RED (+5V)</td></tr> <tr><td>BLACK (GND)</td><td>17</td><td>5</td><td>BLACK (GND)</td></tr> <tr><td>GREEN (PSon)</td><td>16</td><td>4</td><td>RED (+5V)</td></tr> <tr><td>BLACK (GND)</td><td>15</td><td>3</td><td>BLACK (GND)</td></tr> <tr><td>BLUE (-12V)</td><td>14</td><td>2</td><td>ORANGE (+3,3V)</td></tr> <tr><td>ORANGE (+3,3V)</td><td>13</td><td>1</td><td>ORANGE (+3,3V)</td></tr> </table>	BLACK (GND)	24	12	ORANGE (+3,3V)	RED (+5V)	23	11	YELLOW (+12V)	RED (+5V)	22	10	YELLOW (+12V)	RED (+5V)	21	9	PURPLE (+5Vsb)	NC	20	8	GREY (PWR-OK)	BLACK (GND)	19	7	BLACK (GND)	BLACK (GND)	18	6	RED (+5V)	BLACK (GND)	17	5	BLACK (GND)	GREEN (PSon)	16	4	RED (+5V)	BLACK (GND)	15	3	BLACK (GND)	BLUE (-12V)	14	2	ORANGE (+3,3V)	ORANGE (+3,3V)	13	1	ORANGE (+3,3V)
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Tolerance ±20 mm



Specification is subject to change without notice. Errors excepted. Status as at: 16.01.2012