

680-1200 Watts

BML 231 002 /204

680 watt -48 VDC rectifier



Special Features - 002

- 680 W constant power output
- High efficiency
- PFC
- Hot-swappable
- Passive load sharing
- Front access
- Soft start
- Over load and over voltage protection
- Designed for ETSI mechanical structure
- Controls for remote shut-down
- size: 2.9" W x 10.4" H x 8.8 " D
- Weight: 4.3 kg (9.5 lbs)

Special Features - 204

- 1200 W Constant Power Output
- High efficiency
- High power density
- PFC
- Front access
- Soft start
- Analog or opto interface
- Universal input
- Forced convection cooling
- Compact dimensions
 - Front: 10.3" x 2.4"
 - Body: 9.2"H x 2.9"W x 8.8"D
 - weight: 3.5 kg (7.7 lbs)

Electrical Specs - 002

Input

AC Input voltage	220-240 VAC (176-288 VAC)
Frequency	50/60 Hz ($\pm 10\%$)
Efficiency	>90% @ $\geq 60\%$ load
Power factor	>0.95 @ $\geq 50\%$ load

Output

DC output voltage	-54.0 V @10A load (-45 to -58.5 VDC)
Maximum output power	680W @ -45 to -58.5 VDC
Over voltage protection	Automatic shut-down before -60VDC
Hold-up time	> 10ms

Electrical Specs - 204

Input

AC input voltage range	100-250 VAC (90-275 VAC)
Frequency	50 / 60 Hz (45-65 Hz)
Efficiency	> 90% 230 VAC @ $\geq 50\%$ load
Power factor	>0.95 230 VAC @ $\geq 50\%$ load

Output

DC output voltage	-54.5 (-44.0 to -58.5 VDC)
Maximum output power	1200 W @ 180-275 VDC 1000 W @ 90-140 VDC
Dynamic regulation	$\pm 5\%$ of output voltage
Hold-up time	>20ms

Ordering Information

BML231002/3	680 W	-48VDC rectifier
BML231204/1	1200 W	rectifier with opto interface
BML231204/2	1200 W	rectifier with analog interface

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Environmental & Safety

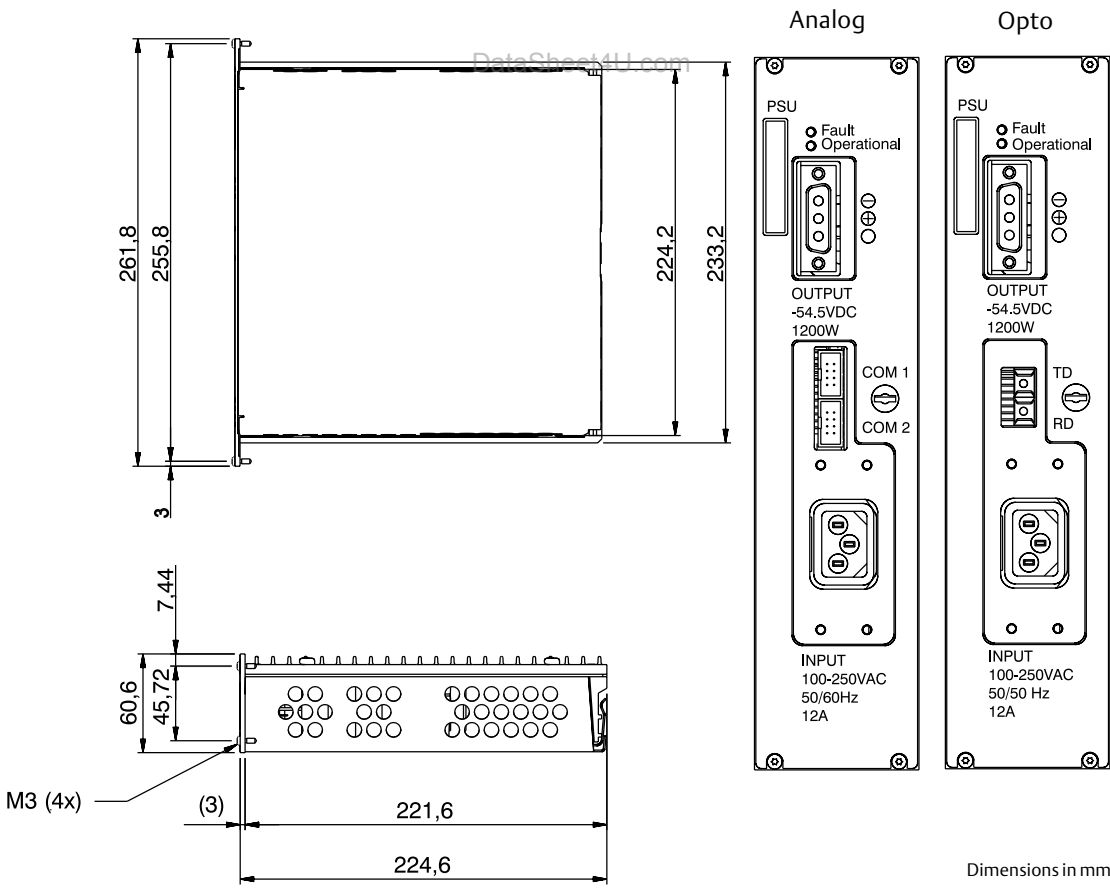
BML231 002

Temperature: +5°C to +45°C (normal operation)
 CE: EMC Directive 89/336/EEC & 92/31/EEC and Low Voltage Directive 73/23/EEC
 EMC:
 EN 50 081-1
 EN 50 082-1
 EN 55 022, class B
 EN 61000-4-2,3,4,5,6
 EN 60950
 IEC 950/EN 60950
 UL 1950
 CAN/CSA C22.2

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Temperature: 0°C to 55°C (normal operation)
 -50°C to 60°C (non-destructive)
 EMC EN 55 022, class B
 EN 61000-4-2,3,4,5
 IEC 950/EN 60950
 UL 1950

BML231204



Dimensions in mm