

# 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 (± 10%)
Efficiency	>90% @ ≥60% load
Power factor	>0.95 @ ≥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 @ ≥50% load
Power factor	>0.95 230 VAC @ ≥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	±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

**AMERICAS**

5810 Van Allen Way  
 Carlsbad, CA 92008  
 Telephone: 760-930-4600  
 Facsimile: 760-930-0698

**EUROPE**

Astec House, Waterfront Business Park  
 Merry Hill, Dudley  
 West Midlands, DY5 1LX, UK  
 Telephone: 44 (1384) 842-211  
 Facsimile: 44 (1384) 843-355

**ASIA**

Units 2111-2116, Level 21  
 Tower1, Metroplaza  
 223, Hing Fong Road  
 Fwai Fong, New Territories  
 Hong Kong  
 Telephone: 852-2437-9662  
 Facsimile: 852-2402-4426



**Environmental & Safety**

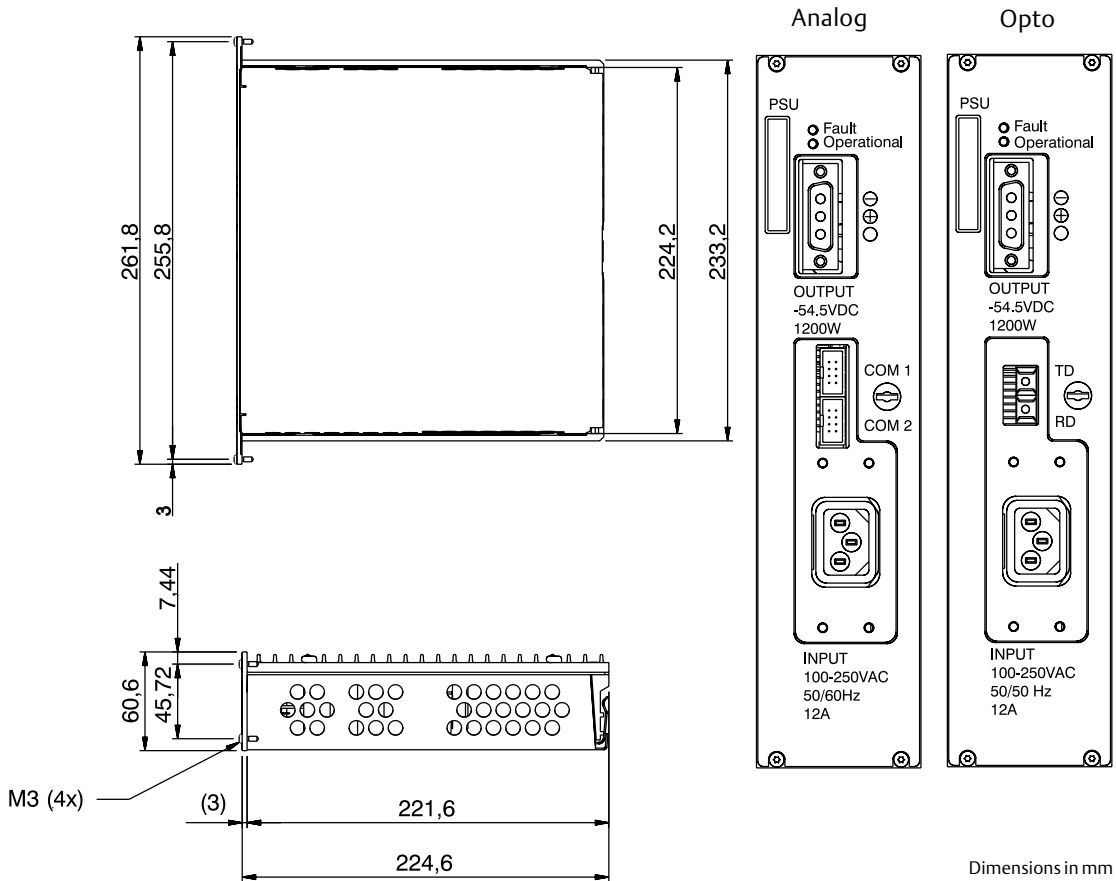
**BML231 002**

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

**BML 231 204**

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