

15A CW/Pulsed Laser Diode Driver

BRM-6102

The BRM-6102 is a versatile laser driver controller featuring continuously tunable drive current (up to 15A max) and support for five operating modes:

- Continuous wave (CW)
- Pulsed mode
- Analog input control
- External trigger
- Optical power control (APC)

It offers external I/O interface for a photodiode and NTC temperature sensor, ensuring precise monitoring and protection.

With high precision, ultra-low ripple, and flexible control, the BRM-6102 is ideal for applications such as:

- Laser diode pumping
- VCSEL drive
- LiDAR light sources drive
- Scientific and industrial laser systems

This compact and reliable controller delivers stable performance for demanding laser applications.



Features

- 5 Operating Modes- CW/Pulse/Analog/Ext. Trigger/APC
- Dual Control Modes-Current Control & Power Control
- Flexible Input Options- Internal Control & External Control
- I/O Interfaces- Compatible with Photodiode Input/ NTC Temperature Sensor
- High-Speed Pulsing-Up to 80kHz Pulse Frequency

Applications

- Seed Laser Pumping- Precision driving for DPSS and fiber laser seed sources
- VCSEL Drive- Stable current/power control for vertical -cavity-surface-emitting lasers
- LiDAR Systems- High-frequency pulsed operation for LiDAR Light Source
- Constant Power Laser Control- Closed-loop power stabilization for medical/research laser systems

What's included

#	Part Description	Model	Qty.
1	15A CW/Pulsed Laser Diode Driver	BRM-6102	1
2	Power cable	BC-105075	1

Specifications

Model	BRM-6102
Output Current	0~15A
Current Resolution	1mA
Output Voltage	0~15 V
Resolution	±1% or ±10mA
Operating Mode	Continuous/Pulse/Analog Input/External Trigger/Optical Power Control
Pulse Frequency	0~80kHz
Sensor Interface	1 channel NTC interface 1 channel PD interface
Photodiode Current	~4mA
Power Supply	110VAC / 220VAC
Dimensions	230×275×135mm

Dimensions (mm)

