

SUPPLY



SmartPower M-Series

- LASER DIODE DRIVER UP TO 200A – 600W/1200W
- LOW NOISE UP TO 50A AVAILABLE

The SmartPower M laser diode drivers were developed for safe operation of diode lasers.

Intuitive touch screen control combined with modern microprocessor technology make them the first choice for laboratory and research applications.

SmartPower M drivers can be quickly and easily integrated into existing safety concepts using key switches and interlock.

These laser diode drivers can be controlled via an optional Ethernet connection with the PC and switched in pulse mode by an external TTL signal.

A control software is available.

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FEATURES

- Low noise version available
- Configurable voltage and current versions
- 7" Touch screen control
- Overload protection
- Remote interlock prepared
- Key switch
- Temperature-controlled fan
- Optional Ethernet interface / RS232 / USB
- Customized solutions possible
- Global on / off trigger

SPECIFICATIONS

	600W	1200W
Current	up to 100A up to 50A low noise version	200A
Voltage:	up to 30V	
Input voltage:	90-265V (Derating < 120V)	
Efficiency:	> 83%	
Current ripple:	< 0,5%rms @ Full Load (BW=20MHz) < 0,03%rms @ Full Load (BW=20MHz) low noise version	
Trigger rise time:	< 500µs < 5ms (low noise version)	
Trigger fall time:	< 500µs < 5ms (low noise version)	
Control accuracy:	< 0,5%	
Stability:	< 0,1%	
Power limit:	Overcurrent / Overvoltage / Overtemperature	

