



Fig.: 8 channel type

SmartPower L-Series

- CW LOW NOISE LASER APPLICATION UP TO 4.8KW
- SAFETY CIRCUIT ACCORDING EN ISO 13849-1 AND SIL CL 3 ACCORDING TO IEC 62061
- LARGE 19" RACK MOUNT DEVICES

The SmartPower L low-noise 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 L drivers can be quickly and easily integrated into existing safety concepts using key switches and interlock. The 19" standard design guarantees simple system integration.

An optional RS232 or Ethernet interface ensures reliable connection to machine or PC.

A control software is available.

SmartPower L-Series

FEATURES

- Low noise version available
- Configurable voltage and current versions
- Interlock prepared for maximum safety, up to performance level e according EN ISO 13849-1 and SIL CL 3 according to IEC 62061
- Overload protections
- Emission control output
- Key switch
- Optional Ethernet interface / RS232 / USB
- Customized solutions possible
- Ideal for BURN-IN Systems
- UL-prepared

SPECIFICATIONS

Standard configurations:	4 Channel	8 Channel
Power:	2.4kW	4.8kW
Input voltage:	85-264Vac (derating for less than 120Vac)	
Current per channel:	up to 100A (50A low noise)	
Voltage:	up to 30V	
Efficiency:	> 83%	
Current ripple:	< 0,5%rms @ Full Load (BW=20MHz) < 0,03%rms @ Full Load (BW=20MHz) low noise version	
Control accuracy:	< 0,5%	
Stability:	< 0,1% (over 8 hours)	
Output protection:	Overcurrent / Overvoltage / Overtemperature	
Dimension [mm]:	19" (132 x 483 x 602)	
Cooling:	Water or air cooling	Water cooling



Fig.: 8 channel type