



## SmartPower Series LARGE 19" RACK MOUNT DEVICES

- CW LOW NOISE LASER APPLICATION UP TO 4.8KW
- SAFETY CIRCUIT ACCORDING EN ISO 13849-1 AND SIL CL 3 ACCORDING TO IEC 62061

Die rauscharmen CW-Laserdiodentreiber der SmartPower Serie sind für den sicheren Betrieb von Dioden Lasern entwickelt.

Die einfache Bedienung über das Touchpanel in Kombination mit modernster Technologie machen sie zur ersten Wahl für den Industriellen-, Labor- und Forschungseinsatz.

Der Treiber lässt sich durch Schlüsselschalter und Remote Interlock schnell und einfach in bestehende Sicherheitskonzepte einbinden. Die 19" Standard Bauform vereinfacht die Systemintegration.

Die optionale RS232 oder Ethernet-Schnittstelle sichert eine zuverlässige Verbindung zu Maschine und PC. Für eine einfache Bedienung und Steuerung steht die passende Anwendungssoftware zur Verfügung.

The low-noise laser diode drivers of the SmartPower series are developed for the safe operation of diode lasers.

Easy operation via the touch panel in combination with modern technology make them the first choice for laboratory and research applications.

The driver can be quickly and easily integrated into existing safety concepts using key switches and interlock. The 19" standard design guarantees simple system integration.

The optional RS232 or Ethernet interface ensures reliable connection to machine and PC. A control software is available for the user.

# SmartPower Series - L

## FEATURES

- Low noise
- configurable voltage and current versions
- Display control for easy use
- 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
- Key switch
- Optional Ethernet interface
- Customized solutions possible
- Ideal for BURN-IN Systems
- UL-prepared

## PARAMETERS

Standard configurations:	4 Channel	8 Channel
Power per channel:	2.4kW	4.8kW
Input voltage:	85-264Vac (derating for less than 120Vac)	
Current per channel:	up to 100A	
Voltage:	up to 30V	
Channels:	up to 32 Channel on request	
Efficiency:	> 86-89% (depend on configuration)	
Current ripple:	< 0,03%rms @ Full Load (BW=20MHz)	
Control accuracy:	< 0,5%	
Stability:	< 0,1% (over 8 hours)	
Output protection:	Overcurrent / Overvoltage / Overtemperature	
Dimension [mm]:	19" (132 x 483 x 602)	
Weight:	30kg	35kg
Cooling:	Water or air cooling	Water cooling

