

*product sold &
supported by*



LASER LAB SOURCE

marketplace for **Scientists & Engineers**

contact@LaserLabSource.com

800-887-5065

SmartPower M500-100

FEATURES

- CW / QCW laser diode driver up to 100 Amps at 500 Watts
- Voltage output 1,5V ... 7,5V
- Configurable voltage and current versions
- Easy to use 7" touch panel
- Key switch and remote interlock prepared
- Overload protection
- RS-232, Ethernet or USB interface available
- Air cooling with temperature-controlled fan
- QCW-Mode by external TTL signal
- Customized solutions possible



PARAMETERS

	1 Channel laser diode driver
Current output	0 ... 100 Amps
Voltage output	1,5V ... 7,5V
Accuracy	<0,5%
Stability	<0.1%
Current ripple	< 0,5% @ full load (BW=20Hz)
Trigger rise / fall time	250µs
Protection circuits	Overcurrent / overvoltage / overtemperature
	Common data
Display	7" touch panel
Voltage input	90 ... 265Vac (Derating < 120Vac)
Maximum power consumption	595 Watts
Power output	500 Watts
Cooling system	Air cooling
Dimensions [mm]	245x245x145 (Length x Width x Height)
Weight	5kg
Location of use	Only for inside use
Protection class	II
Degree of protection	IP 20
Radio interference suppression	DIN EN 55011 class A
Noise immunity	EN 61000-6-2 (industrial environment)
Environmental conditions:	
Temperature range:	
Operation:	10 ... 40 °C
Storage:	-10 ... 60 °C
Relative Humidity:	
Operation:	≤ 80 % (non-condensing)
Storage:	≤ 99 % (non-condensing)
Vertical height of use:	
Operation:	3000 m
Storage:	12000 m
Installation position	Horizontal

Sold & supported by



LASER LAB SOURCE
marketplace for Scientists & Engineers

SmartPower M500-100

FRONT PANEL



REAR PANEL



Made in Germany by

SmartPower M500-100

30. September 2020

Rev. A