

High power Laser Diode Driver

Microprocessor controlled Laser Diode Driver.
19" Rack.
Fully insulated.
Integrated TEC controller.
Usable for a large range of Laser Diodes.
PFC stage included.



General description

A fully compliant power factor board drives a high performance current regulator.

This Driver includes a TEC controller module with digital customizable PID parameters.

Modular approach, each function is independently customizable.

The Laser Diode Driver is μ P controlled and can be easily programmed from customer HMI or computer.

- RS485.
- Other on request

The power output is fully insulated from mains voltage.

Specifications

Input

- *110-230V AC 50-60 Hz wide range*
- *500W Power factor correction (Power factor>0.98)*
- *50 Ohm Sync Input*

Output

- *programmable current up to 120A*
- *Output voltage up to 100Vdc*
- *Pulse duration up to 500µs*
- *Less than 10µs rise or fall time*
- *Up to 100Hz frequency operation*
- *High power TEC driver (PID controlled)*
- *Interlock interface*

CE compliant

Fully µP controlled

User interface

- *RS485*
- *Other on request*

TEC interface

- *PID controlled*
- *Up to 20Vdc*
- *Up to 10A*

Connections

Input/output OEM connectors

Efficiency

>80%

Temperature

0°C to 55°C

Mechanical

- *Size: (open frame)*
 - *19" rack*
 - *3U*
 - *Depth 560 mm*
- *Weight:*
 - *4500 g*

**This is only an EDN realization example,
Product can be modified to fit your requirements.
Do not hesitate to contact us.**

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