

LASY18A-12C

High Power Laser System
with safety interlock



PBF introduces the new standard in laser power systems. Compact and cost effective designed especially for the dynamic behaviour in laser systems with up to 12 current outputs for 10800 W optical power.



**Complete solution from
mains to Fiber Laser**



Safety interlock system



**DC and pulse application 12 laser
diode outputs for 3000 W optical power**

The LASY18A-12C is a complete solution to drive up to 12 Fiber Laser strings. The LASY18A-12C is a water cooled system that can be directly connected to the world wide 3 phase mains net, and can drive directly almost any fiber laser. With e.g. 2 laser diodes of 190 W in series, it is possible to drive 24 fiber lasers 0 - 50 V.

The LASY18A-12C is a modular system and can be configured from 1 to 12 channels. It is a cost effective solution for laser systems in the range of 500 W to 3000 W optical power.

The fail-safe interlock system is compatible with the required emergency systems and guarantees operator safety.

TECHNICAL DATA

Input voltage	180-528 Vac 3 phase 50/60 Hz
Output current	18 A per channel
Output voltage	0-50 V
Number of channels	4, 8, or 12
Rise/fall time	<50 us
Dimensions	3 HE 19"
Cooling type	Water cooling (integrated)
Safety interlock	ISO 13849-1/Category 4, PLe



12 CHANNEL DRIVER SYSTEM

Modular laser driver system.

4, 8, or 12 channels, suitable to generate from 500 to 3000 W optical power.

SYSTEM OVERVIEW

