

1000W~3000W fiber-coupled direct diode lasers



Applications:

- Cladding
- Welding
- Heat treatment

Specifications

Optical specification			
	DLS 1000	DLS 2000	DLS 3000
Output Power	1000W	2000W	3000W
Wavelength	915nm or 980nm		
Fiber Core[N.A.]	300 μm [NA 0.22]	600 μm [NA 0.22]	600 μm [NA 0.22]
Fiber length	5 or 10 m		
Fiber Terminal	QBH		
Aiming beam	Red		
Operation Mode	CW or Modulated		
Polarization State	Random		
Output Power Instability (25°C)	<2% (2hrs)		
Output Power Tunability	10%-100%		
Modulation Frequency	20kHz		
Electrical Characteristics			
Voltage	Single phase, 220±20V, AC, PE, 50 or 60Hz	3 phase, 380±30V, AC, PE, 50 or 60 Hz	3 phase, 380±30V, AC, PE, 50 or 60Hz
Power consumption at nom. Power, approx	3.0 kW	6.0 kW	9.0kW
Interface	BWT software, RS232, AD control		

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Chiller			
Cooling requirements, max.	2.5 kW	4.0 kW	5.0kW
Water discharge	8l/min	12L/min	15l/min
Hydraulic pressure	0.25MPa		
Cooling lines	Φ12mm		
QBH water discharge	1.5~2.0L/min		
Others			
Weight	40 kg	46 kg	66kg
Dimensions	5U (220 mm), 710mm depth		
Temperature	10 - 45 °C operational, 5 - 65 °C storage		
Humidity	max. 75% @ 25°C, non condensing		
Protection rating	IP54		
Safety class	4 (EN 60825-01)		

Package Dimensions (mm)

