

HANGZHOU SG



Four-Wavelength Diode Laser 755 / 808 / 940 / 1064 nm



Professional four-wavelength platform for
configurable hair-removal systems.
Designed for professional aesthetic clinics.

COHERENT

OSRAM



Fluid-o-Tech
POWER THE FLOW





System Configuration Matrix

SKU	Laser Module	Wavelengths	Handpiece	Power Supply	Water Pump	Compressor
LY18 A001	HPL 600 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Beijing SS LDD-100-24	PONYTE DP-150	24 V / 20 A condenser
LY18 A002	HPL 800 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Beijing SS LDD-100-24	PONYTE DP-150	24 V / 20 A condenser
LY18 A003	HPL 1000 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Beijing SS LDD-100-24	PONYTE DP-150	24 V / 20 A condenser
LY18 A004	HPL 1200 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 24 V / 100 A / 2400 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A005	HPL 1500 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 32 V / 100 A / 3200 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A005	HPL 1600 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 32 V / 100 A / 3200 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B



System Configuration Matrix

SKU	Laser Module	Wavelengths	Handpiece	Power Supply	Water Pump	Compressor
LY18 A006	HPL 2000 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 20 V / 200 A / 4000 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A007	HPL 2000 W module with U.S. Coherent diode bars	808 nm	DM-3 handpiece with integrated display	Tianjin XZ 40 V / 100 A / 4000 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A008	HPL 2400 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 24 V / 200 A / 4800 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A009	HPL 2400 W module with U.S. Coherent diode bars	808 nm	DM-3 handpiece with integrated display	Tianjin XZ 48 V / 100 A / 4800 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A010	HPL 3000 W module with U.S. Coherent diode bars	808 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 30 V / 200 A / 3000 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B



System Configuration Matrix

SKU	Laser Module	Wavelengths	Handpiece	Power Supply	Water Pump	Compressor
LY18 A012	HPL 800 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Beijing SS LDD-100-24	PONYTE DP-150	24 V / 20 A condenser
LY18 A013	HPL 1000 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Beijing SS LDD-100-24	PONYTE DP-150	24 V / 20 A condenser
LY18 A014	HPL 1200 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 24 V / 100 A / 2400 W	92-24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A015	HPL 1600 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 32 V / 100 A / 3200 W	92-24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A016	HPL 2000 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 20 V / 200 A / 4000 W	92-24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B



System Configuration Matrix

SKU	Laser Module	Wavelengths	Handpiece	Power Supply	Water Pump	Compressor
LY18 A017	HPL 2000 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	DM-3 handpiece with integrated display	Tianjin XZ 40 V / 100 A / 4000 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A018	HPL 2400 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	PY-3 handpiece with screen and 5 interchangeable heads	Tianjin XZ 24 V / 200 A / 4800 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A019	HPL 2400 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	DM-3 handpiece with integrated display	Tianjin XZ 48 V / 100 A / 4800 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B
LY18 A020	HPL 3000 W module with U.S. Coherent diode bars	808 nm 755 nm 1064 nm	model PY-3, 5 changeable heads, with the screen	Tianjin XZ 30 V / 200 A / 3000 W	92–24 V, 200 W motor with Fluid-o-Tech 211 pump head	HS-WCU04B

Diode Laser Handpiece with Integrated Display U.S. Coherent Diode Bars



Custom four-wavelength laser stack with
premium diode bars
755 / 808 / 940 / 1064 nm

OSRAM **COHERENT**



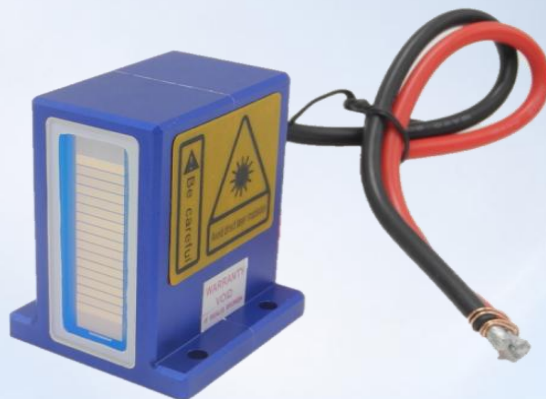
HANGZHOU SG



LT/HPL Diode Laser Stack Coherent or OSRAM Diode Bars

755 / 808 / 940 / 1064 nm

Configurable wavelength combinations for professional hair-removal systems.



OSRAM

COHERENT

SG Recommended Configuration: LT/HPL laser stack

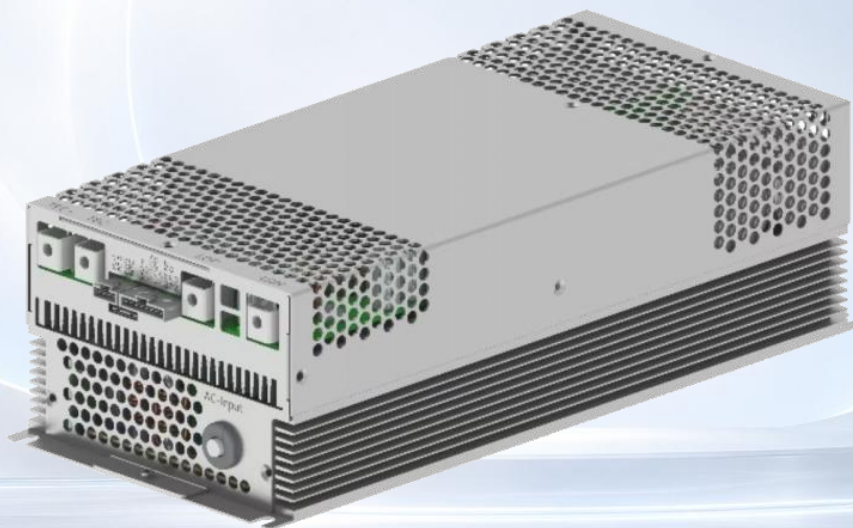
Available laser stack options:

FL · LT/HPL · DVS/LST · HD

HANGZHOU SG



**Diode Laser Power Supply
Tianjin XZ LBPM-32V100A-220/110
For 1500–1600 W Laser Stacks**



SG Recommended Power Supply Configuration

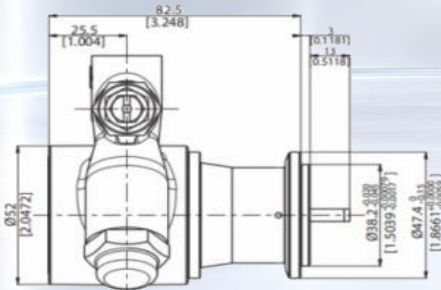


Additional power-supply configurations are available on request.

Fluid-o-Tech
POWER THE FLOW

92–24 V, 200 W
Motor
Fluid-o-Tech 211
Pump Head

Preferred Pump Configuration for
High-Power Diode Laser Systems



Additional pump configurations are available on request.

Custom Menus & Controllers

30+ Years of Combined Engineering Experience
17 Years in Aesthetic-Device Manufacturing



15.6-inch Touchscreen
Clear Interface · Simple
Operation

Custom languages, functions and interface
branding are available.



Cooling System

HS-WDC400 Compressor



Industrial-grade compressor cooling
Stable cooling under continuous operation
Designed for sustained thermal load

Cooling Capacity	400W
Operating Voltage	DC24V/48V
Operating Current	8A/4A
Rated Power	190W
Temperature Control Range	5~35℃
Temperature Control Accuracy	±0.5℃

Dual-Stage A+B Water Filtration
PP cotton and resin media help maintain clean
circulation and protect internal components.



Diode Laser Safety Goggles
755 / 808 / 1064 nm
Professional-grade protection
CE Certified



SANYO Cooling Fan
Low-Noise Thermal Management



Configure Your Diode Laser System

Share your target specifications. We will recommend a compatible configuration.

REQUIRED INFORMATION

- 01 **Target laser power**
- 02 **Required wavelengths**
- 03 **Handpiece and treatment heads**
- 04 **Input voltage**
- 05 **Cooling-system requirement**
- 06 **Machine housing / OEM requirements**

AVAILABLE CUSTOMIZATION

- 01 **Laser-stack configuration**
- 02 **Power-supply and cooling options**
- 03 **Interface language and functions**
- 04 **Logo and interface branding**
- 05 **Handpiece configuration**
- 06 **Component-selection support**

Send your requirements to Hangzhou SG for configuration review.