

Aero

High Energy DPSS Lasers



Features

up to 200 mJ @ 1064 nm

up to 100 mJ @ 532 nm

10 ns to 30 ns

Single shot up to 200 Hz

Multiple wavelengths configurations

Applications

Atmospheric LIDAR

Air-borne and space-borne instruments

LIBS

Non-linear spectroscopy

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The new Aero is a high-energy product line operating in the ns range with repetition rate up to 200Hz. Pulse energy up to 200mJ at 1064nm and 100mJ at 532nm is achieved in a thermo-mechanically stable package. Customized systems have undergone severe vibration and qualification tests for operation in space. These Q-switched laser systems are ideal for atmospheric LIDAR, air-borne and space-borne instruments, telemetry and LIBS.

	Aero 100 mJ	Aero 200 mJ
Wavelength	1064 nm	1064 nm
Pulsewidth	< 15 ns	< 15 ns
Average Power	> 100 mJ	> 200 mJ
Repetition Rate	10 - 30 Hz	10 - 30 Hz
Polarization	Linear 100:1	Linear 100:1
Beam Size	6 mm	7 mm
Beam Quality Factor	0.6 mm mrad	0.6 mm mrad
Cooling	Conductive	Conductive
DC IN Voltage	24 - 28 V	24 - 28 V



OPTIONS AVAILABLE:

- Beam expanding and collimating optics
- SHG and THG modules
- Extended operating temperature range
- 28 V DC Input for airborne installation
- Circular polarization
- AC-DC power supply

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