

# 355nm Pulsed Lasers (600-1000mW)



## Specifications :

<b>Model</b>	<b>SDL-355-1000Q</b>
<b>Wavelength (nm)</b>	355nm
<b>Ave Output Power</b>	600-1000mW
<b>Operating mode</b>	Frequency conversion of Q-switched pulsed laser
<b>Peak power (mW)</b>	~600W
<b>Single pulse energy</b>	~30~50μJ
<b>Pulse duration</b>	~15ns
<b>Average power (mW)</b>	Average power (mW) = Single pulse energy (uJ) * Rep. rate (kHz)
<b>Rep. rate (kHz)</b>	Undefined rep. rate among 5k-20kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
<b>Ave power stability after warm-up</b>	<1%, <3%, <5% (over 2/4/8 hours)
<b>Point stability after warm-up</b>	<0.05mrad
<b>Transverse mode</b>	Near TEM00
<b>Warm-up time</b>	<15 minutes
<b>Beam parameters</b>	Elliptical (4:1)
<b>Dimensions of laser head (mm)</b>	335×140×125mm
<b>Beam Dimension</b>	<2mm
<b>Spectral line width</b>	>100:1
<b>Power supply (110 or 220V AC)</b>	SDL-PS-1000
<b>Operating Temperature</b>	10°C~35°C
<b>Dimensions of power supply</b>	324 × 277 × 142mm
<b>Expected Operating Lifetime</b>	> 8000 hours
<b>Warranty time</b>	1 year