

LDD High Power CW Laser Diode Drivers Selection Information

The **LDD series Diode Drivers** are available in various power levels from 50 watts to 3000 watts. LDD's can be configured for almost any current/voltage combination required for stacks of diode laser bars. The table lists the maximum wattage and current for the various models.

**Note: XX = Iout, YY = Vcompliance,
XX * YY = Pout max.**

Example of typical configuration:

6 bars, 100 amp requirement. 2V/bar

V compliance = 12 volts

Power: 1200 watts

Recommended Unit: LDD-1500-100-12

Example above assumes a 2V drop per bar including IR losses in the wiring. Customer's voltage compliance requirements may differ due to ohmic losses in system and any compliance voltage can be specified.
Example: LDD-1500-100-13

MODEL	MAX WATTS	MAX CURRENT
LDD-50-XX-YY	50	15
Dimensions (cm) 6.75"(17.1) X 3.63" (9.2) x 3.25" (8.3)		
LDD-100-XX-YY	100	50
LDD-150-XX-YY	150	60
LDD-250-XX-YY	250	70
Dimensions (cm) 7.5" (19) x 5.8" (14.7) x 2.6" (6.6)		
LDD-600-XX-YY	600	100
LDD-1000-XX-YY	1000	100
LDD-1500-XX-YY	1500	100
Dimensions (cm) 9.9" (25.1) x 7.3" (18.5) x 2.6" (6.6)		
LDDHC-600-XX-YY	600	200
LDDHC-1000-XX-YY	1000	200
LDDHC-1500-XX-YY	1500	200
Dimensions (cm) 10.2" (25.9) x 8.0" (20.3) x 2.6" (6.6)		
LDD-3000-XX-YY	3000	200
Dimensions (cm) 17" (43.2) x 16.6" (42.2) x 3.4" (8.6)		



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