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LASER LAB SOURCE

marketplace for **Scientists & Engineers**

contact@LaserLabSource.com

800-887-5065

FEATURES

- CW / QCW laser diode driver up to 30 Amps at 600 Watts
- Voltage output 9V ... 30V
- Configurable voltage and current versions
- Easy to use 7" touch panel
- Key switch and remote interlock prepared
- Overload protection
- RS-232, Ethernet or USB interface available
- Air cooling with temperature-controlled fan
- QCW mode by external TTL Signal
- Customized solutions possible



PARAMETERS

| 1 Channel laser diode driver | |
|--------------------------------|---|
| Current output | 0 ... 30 Amps |
| Voltage output | 9V ... 30V |
| Accuracy | <0,5% |
| Stability | <0.1% |
| Current ripple | < 0,5% @ full load (BW=20Hz) |
| Trigger rise / fall time | 250µs |
| Protection circuits | Overcurrent / overvoltage / overtemperature |
| Common data | |
| Display | 7" touch panel |
| Voltage input | 90 ... 265Vac (Derating < 120Vac) |
| Maximum power consumption | 690 Watts |
| Power output | 600 Watts |
| Cooling system | Air cooling |
| Dimensions [mm] | 245x245x145 (Length x Width x Height) |
| Weight | 5kg |
| Location of use | Only for inside use |
| Protection class | II |
| Degree of protection | IP 20 |
| Radio interference suppression | DIN EN 55011 class A |
| Noise immunity | EN 61000-6-2 (industrial environment) |
| Environmental conditions: | |
| Temperature range: | |
| Operation: | 10 ... 40 °C |
| Storage: | -10 ... 60 °C |
| Relative Humidity: | |
| Operation: | ≤ 80 % (non-condensing) |
| Storage: | ≤ 99 % (non-condensing) |
| Vertical height of use: | |
| Operation: | 3000 m |
| Storage: | 12000 m |
| Installation position | Horizontal |

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SmartPower M600-30

FRONT PANEL



REAR PANEL



Made in Germany by



SmartPower M600-30

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Rev. A