

LASER

WELDERS



SOLAR Laser Systems offers Nd:YAG lasers for precision spot and seam welding machines.

High output energy and variable pulsewidths within the range from 0.2 up to 20 msec allow to optimize welding process for a widest range of materials and applications.

- Turn-key operation
- Multiple fiber outputs
- Real-time energy measurement
- PC or manual control
- No external water, single phase mains operation
- Small foot print

SPECIFICATIONS

Specifications are subject to change without notice

| MODEL | W75 |
|----------------------------|---|
| Wavelength, nm | 1064 |
| Max output energy, J | 75 |
| Max average power, W | 55 |
| Pulsewidth range, msec | 0.2 to 20 in 0.1 steps |
| Operation modes | single pulse / burst mode / continuous sequence of pulses |
| Repetition rate, Hz | 0.5 to 25 |
| Burst mode | 1 to 999 pulses with adjustable interval between bursts |
| Energy-share outputs | up to 3 way with ordered share ratio |
| Beam delivery system | ∅(0.4, 0.6, 0.8 or 1.0)mm optical fiber |
| Aiming beam | red laser diode |
| Interface | RS232 |
| Cooling | self-contained water-air cooling system |
| Power requirements | 220V ±10%, single phase, 50/60 Hz, < 9A |
| Environmental conditions | (15...27)°C ambient |
| Dimensions (H x W x D), mm | 775 x 330 x 650 |
| Weight, kg | 75 |

ISO 9001 certified

