

2308

Total Power	850 W / 11 kW (momentary)
Input Voltage	90-264 VAC
Outputs	One

SPECIAL FEATURES

- High power (10 kW) medical laser driver
- 90-264 VAC input
- Power factor correction(PFC) Meets EN61000-3-2
- UL, CSA, TUV, BABT Recognized
- Enable control (active low)
- EN55022 Class B

ENVIRONMENTAL

Ambient Operating Temperature: 0 to +50°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient: $\pm 0.01\%$ / °C

Storage Temperature: -20° to +85°C

Cooling: Internal fans



ELECTRICAL SPECIFICATIONS

Input

Input.....90 -264 VAC; 47-63Hz;
Power Factor >0.99

Inrush Current (264 Vac).....<30 Amps peak
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits
Complies with EN55022 & FCC Class B with minimum 6 dB margin

Efficiency.....> 75% typical at full load

Output

850W DC Outputs 33V @ 22A, 12V @ 7A, 5V @ 3.5A and
 $\pm 12V$ @ 300 mA
10 kW instantaneous (250W avg.) laser driver

Line / Load Regulation... ..1%

Ripple and Noise < 1% typical

Transient Response...2% Maximum deviation;

MECHANICAL

11.0" L X 7.0" H X 10.0" W (279 mm X 178 mm X 254 mm)

Input connector: 1-480703-0 (AMP)

Output connector: 1-480705-0 (AMP)

644460-4 (AMP)

746285-4 (AMP)

Status signals and Indicators:

Laser A, B channel current monitor

Current limit latch indication

Drive enable

Shutdown

ISET point

DRV PLS

Laser PS

VFET mon A/B



Power For The New Technology

Output

Over voltage protection (Latching)

Over current protection (Latching)

Over temperature protection reset with hysteresis

Short Circuit Protection..... 33V and 12V fan outputs latch until off upon "Over Current".

5V and $\pm 12V$ (300mA outputs) go into Current limit.

Laser output inherently protected (Current Mode Outputs)

Minimum Load Rqmt.....Zero load.

No Load Operation.....N/A

Hold-Up Time.....22 mSec typical