

FEATURES:

- CW / QCW 1 channel laser diode driver up to 3000 Watts
- Configurable voltage and current versions
- Remote interlock prepared
- Overload protection
- Analog or Serial Interface
- Air cooling with temperature- / load-controlled fan
- QCW-Mode by external TTL signal
- Customized solutions possible



PARAMETERS:

Type	M2400-200	M2400-160	M3000-125	M3000-100
Current output	0 ... 200 Amps	0 ... 160A	0 ... 125A	0 ... 100 Amps
Voltage output	0 ... 12V	0 ... 15V	0 ... 24V	0 ... 30V
Voltage ripple	150mVp-p	150mVp-p	240mVp-p	300mVp-p
Efficiency	88%	89%	91%	91%
Type	M3000-83.5	M3000-62.5	M3000-50	
Current output	0 ... 83.5 Amps	0 ... 62.5A	0 ... 50A	
Voltage output	0 ... 36V	0 ... 48V	0 ... 60V	
Voltage ripple	360mVp-p	480mVp-p	600mVp-p	
	92%	92%	93%	
Accuracy	+/-1%			
Rise time	100ms			
Protection circuits	Over Load / Over Voltage / Over Temperature / Short Circuit / Fan Failure			
Weight	6,2 kg			
Voltage input	90 ... 264Vac (Derating for 180Vac)			
Cooling system	Air cooling			
Dimensions [mm]	232 x 102 x 333mm (W x H x D)			
Location of use	Only for inside use			
Protection class	I			
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)			
Installation position	Horizontal			

FRONT PANEL



REAR PANEL



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