

FEATURES:

- CW / QCW 1 channel laser diode driver up to 600 Watts
- Configurable voltage and current versions
- Easy to use 7" touch panel
- Key switch and remote interlock prepared
- Overload protection
- Ethernet interface
- Air cooling with temperature-controlled fan
- QCW-Mode by external TTL signal
- Customized solutions possible



PARAMETERS:

Type	M600-30	M600-60	M600-10	M500-200
Current output	0 ... 13 Amps	0 ... 30A	0 ... 60A	0 ... 100 Amps
Voltage output	18 ... 58V	9 ... 30V	4,5V ... 15V	1,5V ... 7,5V
Type	M1200-30	M1200-60	M1200-10	M1000-200
Current output	0 ... 30 Amps	0 ... 60A	0 ... 120A	0 ... 200 Amps
Voltage output	18 ... 58V	9 ... 30V	4,5V ... 15V	1,5V ... 7,5V
Accuracy	<0,5%			
Stability	<0.1%			
Current ripple	< 0,5%rms @ Full Load (BW=20MHz) < 0,03%rms @ Full Load (BW=20MHz) - low noise version			
Trigger rise / fall time	< 500µs < 5ms - low noise version			
Protection circuits	Overcurrent / overvoltage / overtemperature			
Parameter	Common data			
Type	M500	M600	M1000	M1200
Maximum power consumption	605 Watts	700 Watts	1200 Watts	1390 Watts
Power output	500 Watts	600 Watts	1000 Watts	1200 Watts
Weight	5kg		6kg	
Voltage input	90 ... 265Vac (Derating < 120Vac)			
Cooling system	Air cooling			
Dimensions [mm]	245x245x145 (Length x Width x Height)			
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			

FRONT PANEL



REAR PANEL



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