



### POWER SUPPLY

- 100-240V Wide Range Input
- NEC Class 2 Compliant
- Adjustable Output Voltage
- Efficiency up to 87.6%
- Low No-load Losses and Excellent Partial-load Efficiency
- Compact Design, Width only 45mm
- Electronic Inrush Current Limitation
- Operation down to -40°C
- Full Output Power up to +60°C
- Large International Approval Package
- 3 Year Warranty

### GENERAL DESCRIPTION

A compact size, light weight, simple mounting onto the DIN-rail and the utilization of only quality components are what makes the MiniLine power supplies so easy to use and install within seconds.

A rugged electrical and mechanical design as well as a high immunity against electrical disturbances on the mains provides reliable output power. This offers superior protection for equipment which is connected to the public mains network or is exposed to a critical industrial environment.

The MiniLine series offers output voltages from 5 to 56Vdc and a power rating from 15W to 120W.

The specialty of the ML60.122 is the electronic inrush current limitation and the suitability for very low ambient temperatures. The unit is fully specified down to -40°C.

The supplementary MiniLine decoupling diode module MLY10.241 allows building of redundant systems or to protect against back-feeding voltages.

### SHORT-FORM DATA

Output voltage	DC 12V	
Adjustment range	12 - 15V	
Output current	4.5A at 12V 3.6A at 15V	
Output power	54W	
Output ripple	< 50mVpp	20Hz to 20MHz
Input voltage	AC 100-240V	-15% / +10% AC 100V mains requires derating
Mains frequency	50-60Hz	±6%
AC Input current	0.97 / 0.61A	at 120 / 230Vac
Power factor	0.54 / 0.44	at 120 / 230Vac
AC Inrush current	typ. 6A	input voltage and temperature independent
DC Input	88-375Vdc	below 130Vdc derating required
Efficiency	85.8 / 87.6%	at 120 / 230Vac
Losses	8.9 / 7.6W	at 120 / 230Vac
Temperature range	-40°C to +70°C	operational
Derating	1.4W/°C	+60 to +70°C
Hold-up time	typ. 25 / 113ms	at 120 / 230Vac
Dimensions	45x75x91mm	WxHxD
Weight	250g / 0.55lb	

### ORDER NUMBERS

Power Supply	<b>ML60.122</b>	12-15V Standard unit
Accessory	MLY10.241 ZM3.WALL	Redundancy Module Wall mount bracket

### MARKINGS

