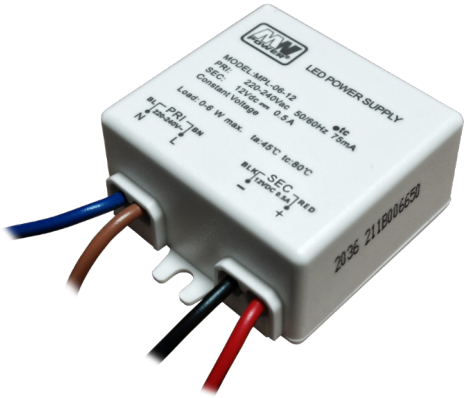
MPL-06 series

6W Constant Voltage Switching Power Supply



■ Features:

- *Constant voltage design*
- *European AC input*
- *Protections: Short circuit / Over current / Over voltage*
- *Cooling by free air convection*
- *Isolation class II*
- *IP20 protection level*

SELV

ELECTRICAL SPECIFICATION

MODEL	MPL-06-12	MPL-06-24
OUTPUT		
Rated Voltage	12V	24V
Rated Current	0.5A	0.25
Current Range	0 ÷ 0.5A	0 ÷ 0.25A
Rated Power	6W	
Line Regulation	± 3%	
Load Regulation	± 2%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	< 1.2V_{p-p}	< 2.4V_{p-p}
Setup, Rise Time [4]	500ms, 50ms / 230VAC at full load	
Hold up Time (typ.)	8ms / 230VAC at full load	
INPUT		
Voltage Range	198 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Efficiency (typ.)	78%	75%
AC Current (typ.)	0.08A / 230VAC	
No load Power Consumption (max.)	0.5W	
Power factor (typ.)	> 0.75	
PROTECTIONS		
Overload	Range: 105-150%	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	
Over Voltage	> 12.6V	> 25.2V
	Type: shut off output voltage, auto-recovery.	
Over Temperature	Type: auto-recovery.	

MPL-06 series

6W Constant Voltage Switching Power Supply

WORKING ENVIRONMENT

Working Temperature	-20°C ÷ 45°C
Working Humidity	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ 60°C, 10 ÷ 90% RH non-condensing

SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 61347-1, EN 61347-2-13
Withstand Voltage	IN/OUT: 3.75kVAC
Isolation Resistance	IN/OUT: 4MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55015, EN61000-3-2, EN61000-3-3
EMC Immunity	Compliance to EN61547

OTHERS

Input Wire	22AWG, length = 160mm
Output Wire	22AWG, length = 107mm
Dimensions	52 x 22.5 x 43.5mm (L x W x H)
Net Weight	32g
EAN Code	5 901885 209074 TBD

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5.Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION