

The MLCV12180 is one of MELCON'S enclosed AC-DC switching power supply. It functions from a wide AC input range and at the same time accepts DC input voltage. Its main features are its cost-effective, low no load power consumption, high efficiency and high reliability. These power supply offer excellent EMC performance and meet international standards and are widely used in areas of industrial LED street light control electricity security telecommunications, smart home, etc.

- Input 170V to 270V AC operating range
- Operating Temperature -20 to 85 Deg C
- Low Standby Power Consumption and High Efficiency
- Input over and under voltage protections
- LED indicator for power on
- Output short circuit, over-load, over-voltage protection
- Leading supplier for major OE manufactures for 25 years
- All our products come with a 1-year warranty against all manufacturing defects



Ordering Code:

MLCV12180

SELECTION :

Model Number	Output Power (Watt)	Output Voltage and Output Current (V/I)	Efficiency
MLCV12180	180W	12 V 15A	>85%

INPUT SPECIFICATIONS:

Input Voltage	170 to 270V AC 250 to 360V DC
Input Voltage Frequency	47Hz to 63Hz
Input Current	3A Typical at 230V AC
Input Inrush Current	Limited by NTC Thermistor to 60A
Leakage current	<3.5 mA at 230V AC

OUTPUT SPECIFICATIONS:

Output voltage Accuracy	At full load range $\pm 1\%$
Line Regulation	<1%
Load Regulation	<1%
Ripple and noise	150 mv p-p
Temperature Coefficient	$\pm 0.03\%/^{\circ}\text{C}$
Hold-up Time 230V AC	20ms

STORAGE SPECIFICATIONS:

Operating Temperature	-20 to 85 Deg C
Storage Temperature	-20 to 85 Deg C
Operating Humidity	20 to 95%RH
Storage Humidity	10 to 95%RH
Vibration	10-500 Hz 2G 10 min/cycle 60 mins each along XYZ axis
Indication	Output OK

PROTECTIONS:

Input under voltage	Cutoff level 140V AC Turn on voltage 160V AC
Input over voltage	310V AC units shuts off if voltage goes above this value and automatic restart when input is less than 275V AC
Output short circuit and overload	Continuously Protected

DIMENSIONS:

Case Material	Sheet Metal Enclosure
Dimensions: L*B*H	190*50*98 mm
Weight	750g
Mounting	Wall Mounting
Cooling Method	Forced Air Cooled

DIMENSIONAL DRAWING:

