

MLP Series

- Up To 215W Output Power
- Compact Size, Cost-effective Design
- Provides a Secure Method for Power Solution
- Individual Output Channel LEDs Indicator
- Built-in Charger for Battery Backup
- Fully Input and Output Protections
- Optional Relay Board (MRB-F303) Enhance Remote Monitoring Function



PRODUCT SPECIFICATIONS

MODEL	MLP-1202B	MLP-1203B	MLP-1205B	MLP-1208B	MLP-1215B
OUTPUT					
Number of Output Port (Way)	4 fused + 1 full current			9 fused + 1 full current	16 fused+1 full current
Rated Voltage (VDC) SELECTABLE	12.0 or 13.8	12.0 or 13.8	12.0 or 13.8	12.0 or 13.8	12.0 or 13.8
Voltage Range (VDC)	11.6 – 12.4 / 13.4 – 14.2				
Rated Current (A) on 12.0V setting	2.5	3.5	6.0	9.0	17.0
Rated Current (A) on 13.8V setting	2.0	3.0	5.0	8.0	15.0
Battery Charger Charging current (mA)	500 Max. (only for output voltage selected 13.8V)				
Rated Power (W)	30.0 Max.	42.0 Max.	72.0 Max.	115.0 Max.	215.0 Max.
Ripple and Noise (mVp-p) <i>See Note 2.</i>	< 120				
Rise Time (ms)	≤ 80 at full load				
Hold Up Time (ms)	≥ 50 at full load				

INPUT

Rated Voltage (VAC)	200 – 240				
Voltage Range (VAC)	180 – 264				
Rated Frequency (Hz)	50 / 60				
Frequency Range (Hz)	47 – 63				
Current (A)	≤ 1.0	≤ 1.0	≤ 1.6	≤ 2.0	≤ 2.5
No Load Power Consumption (W)	≤ 1.0				
Energy Efficiency (%)	≥ 80 at full load				

PROTECTION

AC Input	Current fuse protection				
Output Short-Circuit	Hiccup mode occur and auto-recover without damage when fault conditions are removed.				
Output Over Voltage (V)	15 – 18				
Output Over Current (A)	2.7 – 3.0	3.8 – 4.5	6.5 – 7.5	9.6 – 11.2	18.0 – 19.5
Over Temperature (°C)	95 ± 5 (output shutdown, reset by recycle AC input)				
Battery Low-Voltage Shutdown (V)	9.0 – 10.5				

ENVIRONMENT SPECIFICATION

Operating Temperature Range (°C)	-20 ~ +40				
Operating Humidity (%)	5 ~ 90 RH				
Storage Temperature (°C) / Humidity (%)	-25 ~ +70 / 5 ~ 90 RH				

SAFETY

Safety Standard	Compliance to CE/LVD				
Withstand Voltage	Input to Output: 1.5KVAC				
Isolation Resistance	Input to Output: >20MΩ/500VDC at 25°C/70%RH				

EMC

See Note 3.

Emission	Compliance to EN55032 Class B				
Immunity	Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11				

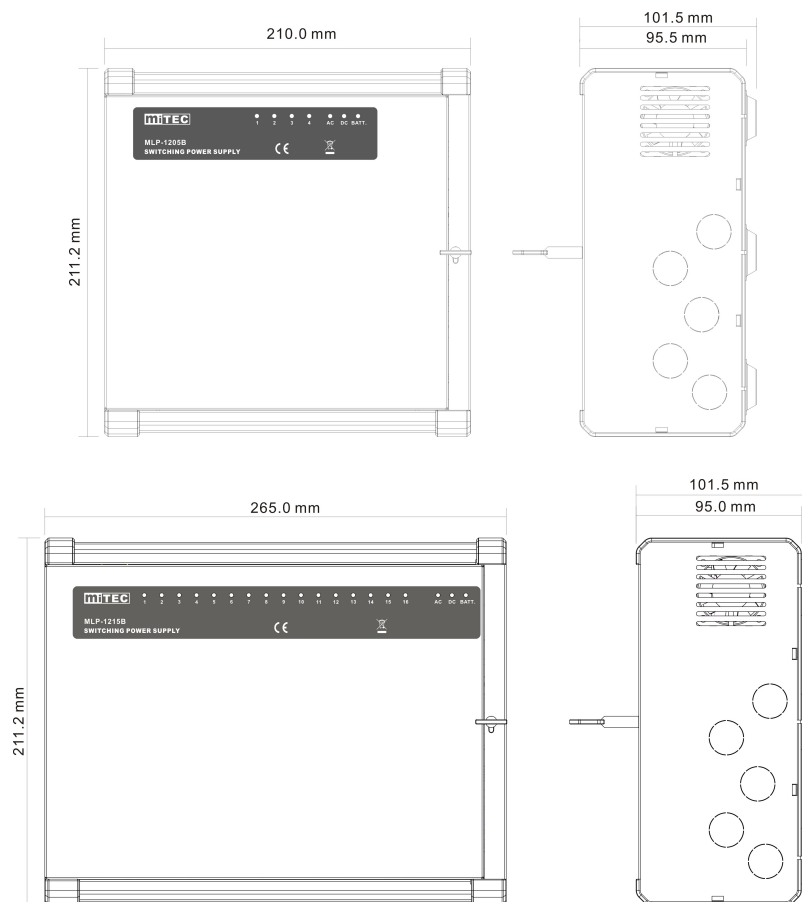
LED INDICATOR

AC	Lit when AC input normal				
DC	Lit when power supply output normal and during battery backup mode				
BATT	Lit when the battery is charging				
Channel Outputs	Lit indicate channel outputs normal				

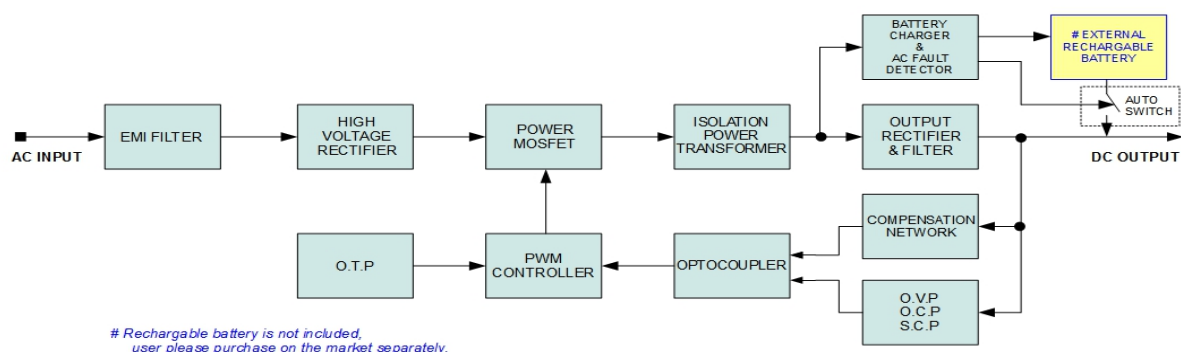
OTHERS

Dimensions (mm)	W 210 × H 212 × L 102				W 265 × H 212 × L 102
Weight (kg)	approx. 0.6	approx. 0.6	approx. 0.8	approx. 1.0	approx. 1.2

Outline Dimensions (mm):



System Block Diagram:



Note:

1. These drawings and specifications are the property of Wo Hing Radio Co.,Ltd and should not be reproduced or copied, or using as the basis for the manufacture or sale of apparatus or devices without permission.
2. Peak to Peak voltage measured at 20MHz bandwidth by using a 10 μ F electrolytic capacitor in parallel with a 0.1 μ F ceramic capacitor at the point of output terminals.
3. The power supply is considered a component which will be installed into a end-equipment product. The end-equipment product should be re-confirmed that it still meets EMC directives.
4. Design and specifications are subject to change without notice.