



Features

- Flexible UPS platform
- Small size
- Three alarm features: integrated LED, audible and relay
- ONT reset function
- Cold start function
- Alarm silence function
- Surge protection and EMI/RFI filtering
- Removable and replaceable Li-ion battery pack with 8-10 hours of back-up at 8 W load
- Flexible add-on battery configuration accepts up to three Li-ion battery packs, thus adding 24 hours of back-up capability
- Mounting options (standalone/vertical/horizontal or wall mount)
- UL Listed

MX1236-L2 MicroFlex Series Indoor UPS

The Bourns® Model MX1236-L2 MicroFlex Series Uninterruptible Power Supply (UPS) is designed and primarily intended for use as a DC power supply and battery back-up device for 12 Vdc Optical Network Terminals (ONTs) or similar communications equipment. The MX1236-L2 Series can also be utilized in any 12 Vdc application where reliable DC power and battery are required. During normal operation, the Micro UPS provides a constant supply of DC power and continues powering the equipment during an AC power outage. Also available without battery as Model MX1236-P-C7.

Characteristics

Specification	Model MX1236-L2 Series
INPUT	
Voltage Range	100 Vac to 240 Vac
Frequency Range	50 / 60 Hz
Input Power Cord	NEMA 5-15/3-Prong Power Cord
Ground Reference	Earth Grounded
POWER SUPPLY OUTPUT	
Output Voltage	12 Vdc (Nominal)
Continuous Power Capacity	3 A (36 Watts)
UPS OUTPUT (ON BATTERY)	
Output Voltage	12 Vdc (Nominal)
Continuous Power Capacity	3 A (36 Watts)
BATTERY	
Battery Type	Lithium-Ion Battery (removable) Pack
Design Life	10 to 15 Years
Battery Capacity	14.8 V / 5200 mAh
Typical Recharge Time	< 12 Hours
Replaceable Pack	Yes
SURGE PROTECTION AND FILTERING	
Lightning / Surge Protection	IEC 61000-4-5 2005 Level D
MANAGEMENT	
Battery Auto-Charge	Yes
Remote Battery Alarming	Standard
Local Alarming (Audible/Visual)	Yes
Temperature Monitoring	Yes
Alarm Silence	
24-Hour Silence	Yes
Disable Indefinitely	Yes
ONT Reset	Yes
Cold Start "Emergency Standby"	Yes
PHYSICAL	
Maximum Dimensions (LxWxD)	155 x 89 x 31 mm (6.1 x 3.5 x 1.2 in.)
Weight	1.76 lb (with one battery pack)
ENVIRONMENTAL	
Operating Temperature	-10 °C to +49 °C (+14 °F to +120.2 °F) at Full Power
Operating Humidity	0-95 % Noncondensing within Enclosure
Maximum Operating Elevation	3,000 m (10,000 ft.)
Storage Temperature	-30 °C to +65 °C (-22 °F to +149 °F)

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Applications

- Optical Network Terminals (ONTs)
- VoIP
- FTTH
- Video
- Any application requiring a secure back-up 12 Vdc supply

MX1236-L2 MicroFlex Series Indoor UPS

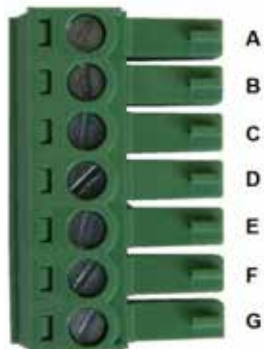
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Output Cabeling

NOTE: Please verify that all contents are accounted for upon receipt of MicroFlex UPS.

C7

7-Conductor Vdc and Telemetry Output



Pin	Color	AWG	Description
A	Red	20	Power Input (+12 Vdc)
B	Black	20	Power 12 Vdc Return
C	Green	26	Signal Return
D	White	26	On Battery
E	Brown	26	Replace Battery
F	Blue	26	Battery Missing
G	Orange	26	Low Battery

Contents of Standard MX1236-L2-C7 MicroFlex UPS Package:

- (1) Power Supply / Charger
- (1) Extended Time Li-ion Battery Pack
- (1) A/C Power Cord
- (1) 7-Pin Connector
- (1) User Manual

How to Order

MX 12 36 - L2 - C7

Series Designator _____
 MX = MicroFlex UPS

Output Voltage _____
 12 = 12 Vdc

Wattage _____
 36 = 36 Watts

Unit Designator _____
 P = Power Supply Only
 L2 = Power Supply + Extended Time Li-ION Battery (8-10 Hours at 8 Watt Draw Rate)

Output Cabeling and Telemetry Options _____
 C7 = 7-Conductor Vdc and Telemetry Output

Replacement Battery = Part No. MX36-L2

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