

Features

- Small size and flexibility
- Three alarm features: integrated LED, audible and relay
- ONT reset function
- Cold start function
- Alarm silence function
- Surge protection and filtering
- UL Listed
- Removable and replaceable Li-ion battery pack with 4-6 hours of back-up at 8 W

MP1218-L1 Series Indoor Micro UPS

The Bourns® Model MP1218-L1 Series Micro 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). However, the MP1218-L1 Series can be utilized in any 12 Vdc application where DC power and battery back-up can be utilized. During normal operation, the Micro UPS provides a constant supply of DC power and additionally provides battery back-up power in the case of an electrical power outage.

Characteristics

Specification	Model MP1218-L1 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	1.5 A (18 Watts)
UPS OUTPUT	
Output Voltage	12 Vdc (Nominal)
Continuous Power Capacity	0.8 A (9.6 Watts)
BATTERY	
Battery Type	Lithium-Ion Battery Pack
Design Life	10 to 15 Years
Number of Batteries	3.7 V / 2600 mAH x 4
Typical Recharge Time	< 10 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	Optional
Local Alarming (Audible/Visual)	Yes
Temperature Monitoring	Yes
Alarm Silence 24-Hour Silence Disable Indefinitely	 Yes Yes
ONT Reset	Yes
Cold Start “Emergency Standby”	Yes
PHYSICAL	
Maximum Dimensions (LxWxD)	162.6 x 42.9 x 49.8 mm (6.4 x 1.69 x 1.96 in.)
Weight	1.25 lb (with 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 12 Vdc

MP1218-L1 Series Indoor Micro UPS

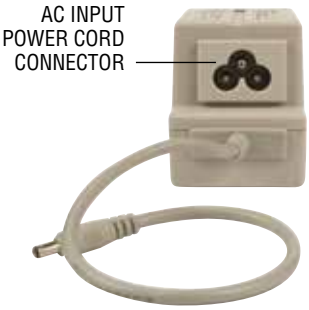
BOURNS®

Output Cabeling Options

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

C2
2-Conductor Output

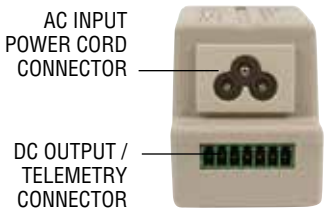




Contents of Standard MP1218-L1-C2 Micro Power Supply Package:

(1) Power Supply / Charger
(1) Li-ion Battery Pack
(1) A/C Power Cord
(2) Barrel Connectors
(1) User Manual

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 MP1218-L1-C7 Micro Power Supply Package:

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

How to Order

MP 1218 - L1 - YY

Series Designator
MP = Micro Power Supply Series

Output / Wattage Designator
1218 = 12 Vdc Output / 18 Watts

Unit Designator
L1 = Power Supply + Standard Li-ION Battery (4-6 Hours at 8 Watt Draw Rate)

Output Cabeling and Telemetry Options
C2 = 2-Conductor Output / No Telemetry
C7 = 7-Conductor Vdc and Telemetry Output

Option	Audible Alarm	Visual Alarm	Relay Alarm to ONT
C2	Yes	Yes	No
C7	Yes	Yes	Yes

Custom cabeling available - please contact Bourns Customer Service.

Replacement Battery = Part No. MP18-L1

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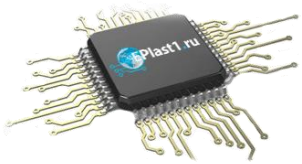
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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