



## Features

- Cabinet can be pole or wall mounted for increased mounting flexibility
- All-weather NEMA 3R design steel cabinet is UL 50E tested for durability, ensuring long service life
- Conformal coating on all circuit boards protects against moisture
- Wide temperature AGM batteries ensure optimum performance and long service life
- Temperature-compensated three-stage charger improves reliability and performance
- Heavy-duty surge protection and noise filtering assures quality output
- Wide AC input voltage window lengthens battery life


## U02 DC Series Outdoor UPS (AC/DC)

The Bourns® U02 DC Series Outdoor Uninterruptible Power Supply (UPS) is ideal for DC powered applications needing back-up power in extreme environmental conditions. This Outdoor DC UPS incorporates wide temperature AGM batteries and is housed in a weather-protected enclosure tested to UL 50E. It provides a wide input voltage range(100 - 140 V), heavy-duty surge protection and noise filtering.

The outdoor DC UPS provides a well-regulated DC output and uses a three-stage, temperature compensated battery charger for optimal battery life.

This heavy-duty outdoor UPS system is designed for outdoor telecommunications infrastructures, perimeter surveillance cameras (CCTV), wireless access points and industrial Remote Terminal Units (RTUs).

### Characteristics

Specification	Model U02120-006-12-A	Model U02120-010-24-B	Model U02120-015-12-B	Model U02120-015-24-B
UPS Topology	AC to DC rectifier, battery charger and valve-regulated AGM batteries			
<b>INPUT</b>				
Nominal Voltage	120 V			
Operating Voltage	100 - 140 V			
Input Current	3.5 A	4.5 A	6.0 A	6.0 A
Operating Frequency	57 - 63 Hz			
AC Connections	Holes for 1/2 inch conduit connectors. Euro style wiring terminals for AWG 16			
Surge Voltage Withstand and Let-Through Performance	With ANSI/IEEE 6 kV, 1.2 x 50 $\mu$ s / 3 kA, 8 x 20 $\mu$ s; V out + to V out - <450 V, V out + or V out - to ground < 300 V			
<b>OUTPUT</b>				
Nominal Voltage	60 W 12 VDC	100 W 24 VDC	150 W 12 VDC	150 W 24 VDC
Operating Voltage	10 - 14 VDC	20 - 28 VDC	10 - 14 VDC	20 - 28 VDC
Output Current	5.22 A	4.26 A	13.04 A	5.22 A
Efficiency: Line/Back-up	84 / 96 %	84 / 98 %	84 / 95.5 %	84 / 98 %
Power On/Off Switch	On/off rocker style power switch			
Transfer Time to Back-up	0 ms			
DC Connections	Holes for 1/2 inch conduit connectors. Euro style wiring terminals for AWG 16			
<b>BATTERY</b>				
Battery Type: AGM	12 VDC 12 Ah	12 VDC 7 Ah x 2		
Recharge Time to 90 %	2 hrs. 45 min.	4 hrs.	2 hrs. 45 min.	2 hrs. 30 min.
Battery Back-up Time	93 min.	57 min.	37 min.	37 min.
<b>PHYSICAL</b>				
Dimensions	318 mm (12.5 ") wide x 305 mm (12 ") high x 165 mm (6.5 ") deep			
Steel Cabinet	All weather NEMA 3R design, UL 50E rain tested, padlockable enclosure			
Weight (lbs. / kg. w/Batteries)	30 / 13.6	32 / 14.5		
Mounting Options	Wall or optional bracket for pole (mounting bands not included)			
Latch	Unit doors are attached with Phillips Head #2 Pan head screws			
<b>SAFETY STANDARDS</b>				
cETLus 	ANSI/UL 60950-1 CAN/CSA C22.2: No. 60950-1-07 Clause; ANSI/UL 1778 CAN/CSAC22.2: No. 107.3-05 Clause; ANSI/UL 50E CAN/CSA C22.2: No. 94-2-07 Clause)			
<b>ENVIRONMENTAL</b>				
Operating Temperature	+14 to +131 °F / -10 to +55 °C -40 to +131 °F / -40 to +55 °C with BH5 optional battery heater			
Maximum Operating Temperature	+149 °F / +65 °C			

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.

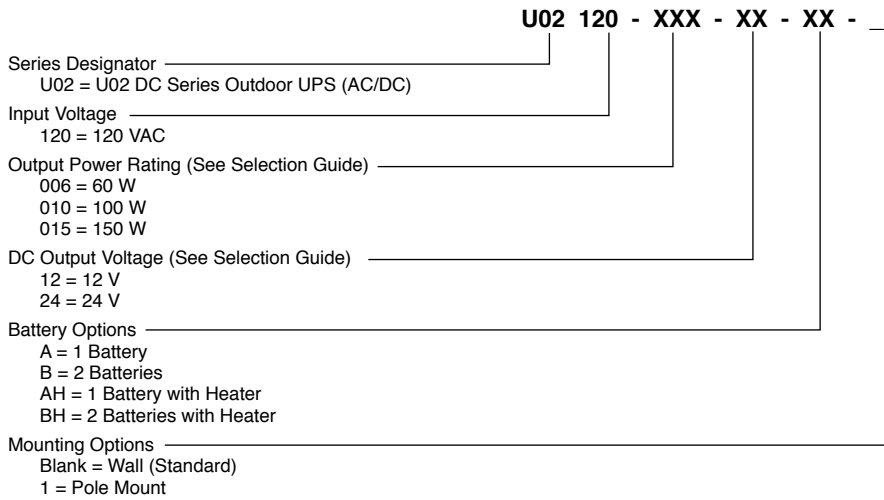
## Applications

- Perimeter surveillance cameras (CCTV)
- Wireless access points
- Industrial Remote Terminal Units (RTUs)

## U02 DC Series Outdoor UPS (AC/DC)

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### How to Order



Standard Offering: Wall mount, Standard latch, 1 string, heated/unheated.

### Product Images



Front View



Inside Front Panel



Side View

### Selection Guides

#### How to Select Correct Output Power Rating and DC Output Voltage

DC Output Voltage	Output Power Rating		
	60 W	100 W	150 W
24 V	N/A	X	X
12 V	X	N/A	X

#### How to Select Battery Option w/Heater

DC Output Voltage	Output Power Rating		
	60 W	100 W	150 W
24 V	N/A	BH	BH
12 V	AH	N/A	BH

### Mounting Options



Wall Mount



Rear View

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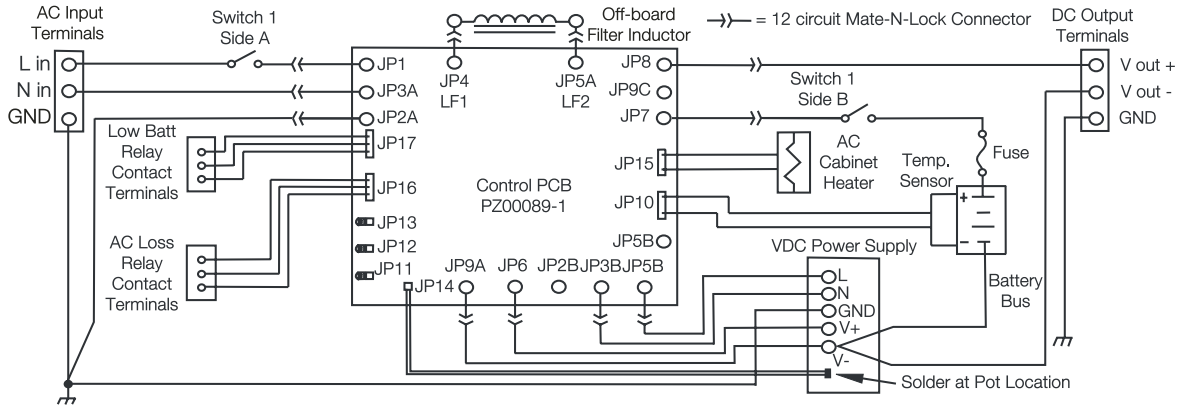
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# U02 DC Series Outdoor UPS (AC/DC)

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## DC Series Outdoor UPS (AC/DC) System Wiring Diagram



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## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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