

# UNO-UPS/24DC/24DC/60W - Uninterruptible power supply



2905907

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Uninterruptible energy supply with integrated energy storage, lead AGM, VRLA technology, 24 V DC, 0.8 Ah.

## Product Description

UPS modules with integrated energy storage are particularly space saving: UPS module and energy storage are combined in one housing. It's just a case of connecting a power supply upstream.

## Your advantages

- Compact and narrow

## Commercial Data

Item number	2905907
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CMU
Product Key	CMUUV3
Catalog Page	Page 349 (C-4-2019)
GTIN	4055626007380
Weight per Piece (including packing)	1,185.6 g
Weight per Piece (excluding packing)	1,186 g
Customs tariff number	85371091
Country of origin	DE

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## Technical Data

### Product properties

Product type	DC UPS with integrated energy storage
Product family	UNO UPS – UPS with integrated energy storage
IQ technology	no
MTBF (IEC 61709, SN 29500)	> 1900000 h (40 °C)

### Insulation characteristics

Protection class	III
Degree of pollution	2

### Life expectancy (electrolytic capacitors)

Time	170312 h
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### Input data

#### DC operation

Input voltage	24 V DC
Input voltage range	22.5 V DC ... 29.5 V DC
Voltage type of supply voltage	DC
Buffer period	45 min. (0.5 A) 20 min. (1 A) 8 min. (2 A) 5 min. (2.5 A)
Current consumption	2.8 A (max.) < 60 mA < 300 mA
Input fuse	5 A (electronic)

### Output data

Efficiency	> 95 % (Mains operation, with charged energy storage) > 92 % (Battery operation)
Nominal output voltage	24 V DC
Nominal output current ( $I_N$ )	2.5 A
Bridging time	300 s
Output power	60 W
Power dissipation	3 W (Mains operation) 6 W (Battery operation) Battery operation
Connection in series	No

#### Mains operation

Nominal output voltage	24 V DC
Output voltage range	Input voltage - 0.5 V DC

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Nominal output current (I <sub>N</sub> )	2.5 A
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Battery operation	
Nominal output voltage	24 V DC
Output voltage range	20 V DC ... 27.3 V DC
Nominal output current (I <sub>N</sub> )	2.5 A

Signal: Alarm	
Output description	Transistor (24 V DC/15 mA)

Signal: Battery mode	
Output description	Transistor (24 V DC/15 mA)

## Energy storage

Charging current	200 mA
Nominal capacity	2x 0.8 Ah
Charging time	approx. 5 h
Battery module service life	3 Years ... 5 Years (20 °C)
Latest startup date (battery only)	3 Months (0 °C ... 20 °C) 1 Months (30 °C ... 40 °C)
Latest startup (battery only) - range	3 Months ... 1 Months (20 °C ... 30 °C)
Battery technology	VRLA
Memory medium	Lead rechargeable battery module
Accumulator type	YUASA NP0.8-12 / YUCEL Y0.8-12
Battery presence check (cyclic)	60 s
Battery fuse	T 5 A 32 V
IQ technology	no

## Connection data

Input	
Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	7 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Output	
Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>