

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



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626007380
Weight per Piece (excluding packing)	1,185.600 g
Weight per piece (including packing)	1,185.600 g
Custom tariff number	85371091
Country of origin	Germany
Sales Key	H1 - Power supply units

## Technical data

### Dimensions

Width	110 mm
Height	90 mm
Depth	84 mm
Installation distance right/left	0 mm / 0 mm ( $\leq 70\text{ }^{\circ}\text{C}$ )
Installation distance top/bottom	30 mm / 30 mm ( $\leq 70\text{ }^{\circ}\text{C}$ )

### Ambient conditions

Degree of protection	IP20
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## Technical data

### Ambient conditions

Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Degree of pollution	2

### Input data

Input voltage	24 V DC
Input voltage range	22.5 V DC ... 29.5 V DC
Current consumption (maximum)	2.8 A (max.)
Current consumption (idle)	< 60 mA
Current consumption (charging process)	< 300 mA
Input fuse, integrated	5 A (electronic)

### Output data (24 V DC mains operation)

Nominal output voltage	24 V DC
Output voltage range (depends on the input voltage)	Input voltage - 0.5 V DC
Nominal output current (I <sub>N</sub> )	2.5 A

### Output data (24 V DC battery operation)

Nominal output current (I <sub>N</sub> )	2.5 A
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### General output data

Efficiency	> 95 % (Mains operation, with charged energy storage)
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### General

IQ technology	no
Net weight	1 kg
Memory medium	Lead rechargeable battery module
Protection class	III
MTBF (IEC 61709, SN 29500)	> 1900000 h (40 °C)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	alignable: 0 mm horizontally, 30 mm vertically

### Energy storage

Battery technology	VRLA
Accumulator type	YUASA NP0.8-12 / YUCEL Y0.8-12
Battery fuse	T 5 A 32 V
Charging time	approx. 5 h
Service life	3 Years ... 5 Years (20 °C)
Latest startup	3 Months (0 °C ... 20 °C)
	1 Months (30 °C ... 40 °C)
	3 Months ... 1 Months (20 °C ... 30 °C)

### Connection data, input

Connection method	Screw connection
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# Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

## Technical data

### Connection data, input

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid 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

### Connection data, output

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

### Connection data for signaling

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

### Standards

EMC requirements for noise immunity	EN 61000-6-1
	EN 61000-6-2
EMC requirements for noise emission	EN 61000-6-3
	EN 61000-6-4
Standard - Electrical safety	IEC 62368-1 (SELV)

### Conformance/approvals

UL approvals	UL Listed UL 508
	UL/C-UL Recognized UL 60950-1

### EMC data

# Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

## Technical data

### EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Electrostatic discharge	EN 61000-4-2
Contact discharge	6 kV (Test Level 3)
Discharge in air	8 kV (Test Level 3)
Electromagnetic HF field	EN 61000-4-3
Frequency range	80 MHz ... 3 GHz
Test field strength	10 V/m (Test Level 3)
Comments	Criterion A
Fast transients (burst)	EN 61000-4-4
Input	2 kV (Test Level 3 - asymmetrical)
Output	2 kV (Test Level 3 - asymmetrical)
Signal	2 kV (Test Level 4 - asymmetrical)
Comments	Criterion A
Surge voltage load (surge)	EN 61000-4-5
Input	1 kV (Test Level 3 - symmetrical)
	2 kV (Test Level 3 - asymmetrical)
Output	1 kV (Test Level 3 - symmetrical)
	2 kV (Test Level 3 - asymmetrical)
Signal	1 kV (Test Level 2 - asymmetrical)
Comments	Criterion A
Conducted interference	EN 61000-4-6
I/O/S	asymmetrical
Frequency range	0.15 MHz ... 80 MHz
Voltage	10 V (Test Level 3)
Comments	Criterion A
Criterion A	Normal operating behavior within the specified limits.
Criterion B	Temporary impairment to operational behavior that is corrected by the device itself.

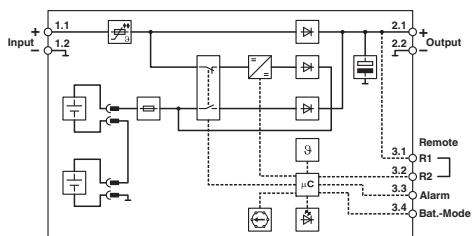
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

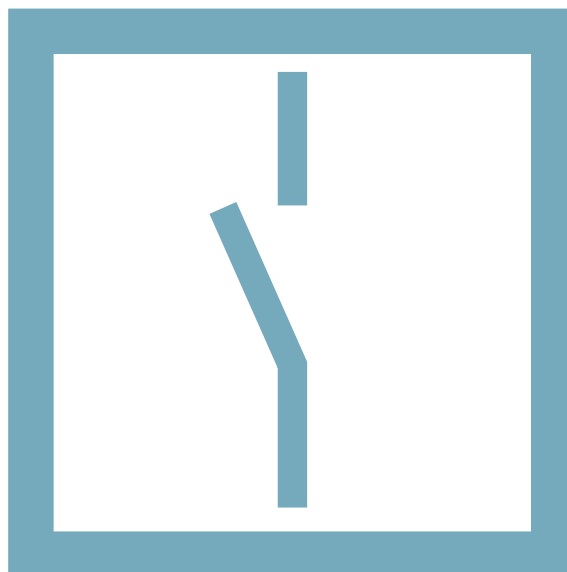
## Drawings

# Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

Block diagram



Pictogram



Pictogram



## Classifications

eCl@ss

eCl@ss 10.0.1	27040705
eCl@ss 11.0	27040705
eCl@ss 4.0	27040600
eCl@ss 4.1	27040600
eCl@ss 5.0	27040600

# Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

## Classifications

### eCl@ss

eCl@ss 5.1	27040600
eCl@ss 6.0	27040600
eCl@ss 7.0	27040603
eCl@ss 9.0	27040705

### ETIM

ETIM 6.0	EC000382
ETIM 7.0	EC000382

### UNSPSC

UNSPSC 13.2	39121011
UNSPSC 18.0	39121011
UNSPSC 19.0	39121011
UNSPSC 20.0	39121011
UNSPSC 21.0	39121011

## Approvals


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#### Approvals


UL Listed / UL Recognized / cUL Recognized / IECEE CB Scheme / cUL Listed / EAC / UL Recognized / IECEE CB Scheme / UL Listed / cUL Listed / cUL Recognized / EAC / EAC

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 214596
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 214596
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## Approvals

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DK-47330-A1-UL
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
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EAC			RU*DE*08.B.01873/19
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 214596
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EAC			RU*DE*08.B.01873/19
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EAC			RU-DE.B.00184/20
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## Accessories

Accessories

## Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

### Accessories

#### Power supply

Power supply unit - UNO-PS/1AC/24DC/ 60W - 2902992



Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/60 W

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Power supply unit - UNO-PS/1AC/24DC/100W - 2902993



Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/100 W

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