

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)	1,100.000 g
Custom tariff number	85371091
Country of origin	Germany

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 ($\leq 70\text{ }^{\circ}\text{C}$)

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Ambient conditions

Degree of protection	IP20
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
Nominal input voltage	24 V DC (SELV)
Input voltage range	22.5 V DC ... 29.5 V DC
Current consumption (charging process)	< 0.3 A (Charging (I _{Charge} = max, I _{Out} = 0))
Current consumption (maximum)	2.8 A
Current consumption (idle)	< 60 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)	$U_{Out} = U_{In} - 0.5 \text{ V DC}$
Nominal output current (I _N)	2.5 A

Output data (24 V DC battery operation)

Nominal output current (I _N)	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

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²

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Connection data, input

Conductor cross section flexible max.	2.5 mm ²
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
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	EN 60950-1/VDE 0805 (SELV)
Standard - Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)

Conformance/approvals

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

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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"