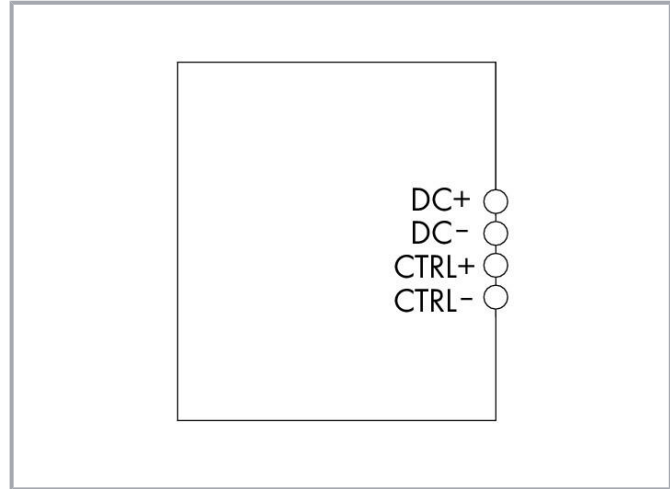


Data sheet | Item number: 787-871

Lead-acid AGM battery module; 24 VDC input voltage; 20 A output current;
3.2 Ah capacity; with battery control; 2,50 mm²



www.wago.com/787-871



Similar to picture

Item description

Features:

- Lead-acid, absorbed glass mat (AGM) battery module for uninterruptible power supply (UPS)
- Can be connected to both 787-870 or 787-875 UPS Charger and Controller, as well as to the 787-1675 Power Supply with integrated UPS charger and controller
- Parallel operation provides higher buffer time
- Built-in temperature sensor
- Mounting plate via continuous carrier rail
- Battery-Control (from manufacturing no. 213987) detects both battery life and battery type

Subject to changes. Please also observe the further product documentation!

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**Data****Notes**

Note

For parallel connection, please switch battery capacity setting to "OFF" in the UPS charger and controller.

Technical data**Input**

Nominal input voltage $U_{i\text{nom}}$	DC 24 V
---	---------

Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
--	---------

Nominal output current $I_{o\text{nom}}$	20 A
--	------

Energy storage system

Battery capacity	3.2 Ah
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Charging current	$\leq 0.8\text{ A}$
------------------	---------------------

End-of-charge voltage	DC 27 V (25 °C)
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Circuit protection

Internal fuse	T 25 A
---------------	--------

Safety and protection

Protection class	III
------------------	-----

Protection type	IP20; per EN 60529
-----------------	--------------------

Pollution degree	2
------------------	---

Series operation	No
------------------	----

MTBF	> 500,000 h (per IEC 61709)
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Service life (typ.)	5 / 4 / 2 a (20 / 30 / 40 °C)
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Connection data

Connection type 1	Input/Output/Battery control
-------------------	------------------------------

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Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Cable length (max.)	3 m (Input, Output, Battery Control)

Physical data

Width	76.2 mm / 3 inches
Height	168 mm / 6.614 inches
Depth	175.5 mm / 6.909 inches

Mechanical Data

Mounting type	Screw mount
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Material Data

Weight	3079 g
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Environmental requirements

Ambient temperature (operation)	-10 ... +40 °C
Ambient temperature (storage)	-20 ... +40 °C
Relative humidity	5 ... 80 % (no condensation permissible)

Standards and specifications

Conformity marking	CE
Standards/specifications	VdS-tested battery UL 508

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-05-04-03
eCl@ss 9.0	27-05-04-03
ETIM 8.0	EC000357
ETIM 7.0	EC000357
PU (SPU)	1 pcs
Packaging type	box

Subject to changes. Please also observe the further product documentation!



Country of origin	DE
GTIN	4045454916626
Customs tariff number	85072080900

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	7b6472ef-42de-45f6-bf0e-be8b9ac48c25
SCIP notification number (Belgium)	07ed6b0d-a231-4e2f-b8d7-3ac2403e53c3
SCIP notification number (Bulgaria)	d9957315-79a3-467a-a5f9-31c4d6b5ba88
SCIP notification number (Czech Republic)	ee47c3b9-2f0b-430c-92f3-ca7236dd3a5a
SCIP notification number (Denmark)	4f92bd01-ef69-47c1-aab5-8b6d06e3d0eb
SCIP notification number (Finland)	0294daf7-25b3-4dd1-a10c-8a4547363b54
SCIP notification number (France)	10201498-261f-4956-95f2-aaa90544e30c
SCIP notification number (Germany)	38458ceb-5763-43a6-93cc-f05a51477e61
SCIP notification number (Hungary)	3ca9a168-305f-4c20-9e34-196878f02e77
SCIP notification number (Italy)	fe08e321-647a-46a9-96f0-6e8342a4c2ad
SCIP notification number (Netherlands)	adb489ff-bed5-4b65-b460-44e5d1c1e054
SCIP notification number (Poland)	fa986362-c788-4500-bd29-f4fd52521496
SCIP notification number (Romania)	978a05a9-df26-40b6-928c-1b01d5ce4682
SCIP notification number (Sweden)	981fe31d-cc9a-40f7-a7a8-8e63a9cb11a1

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	RU_C-DE. AM02.B. 00093-19
	UL Underwriters Laboratories Inc.	UL 508	E255817 UR

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
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EU-Declaration of Conformity
WAGO GmbH & Co. KG

Optional accessories

Tool

Operating tool



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720

Power supplies

Uninterruptible power supply



Item no.: 787-870

UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; LineMonitor; communication capability; 2,50 mm²

www.wago.com/787-870



Item no.: 787-875

UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 20 A output current; LineMonitor; communication capability; 10,00 mm²

www.wago.com/787-875



Item no.: 787-1675

Switched-mode power supply with integrated charger and controller; Classic; 1-phase; 24 VDC output voltage; 5 A output current; communication capability; 10,00 mm²

www.wago.com/787-1675

Marking accessories

Marking strip



Item no.: 210-831

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

www.wago.com/210-831



Item no.: 210-832

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

www.wago.com/210-832

Downloads

Documentation

Bid Text

787-871 X81 - Datei	2019 Jul 12	xml 5.6 kB	Download
787-871 docx - Datei	2019 Jul 12	docx 21.5 kB	Download

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Instruction Leaflet

Bleigel-Akku-Modul DC 24 V, 3,2 Ah	2022 Mar 23	pdf 588.5 kB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 787-871	URL	Download
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CAE data

EPLAN Data Portal 787-871	URL	Download
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WSCAD Universe 787-871	URL	Download
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ZUKEN Portal 787-871	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-871 Lead-acid AGM battery module; 24 VDC input voltage; 20 A output current; 3.2 Ah capacity; with battery control; 2,50 mm ²	URL	Download
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Installation Notes

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