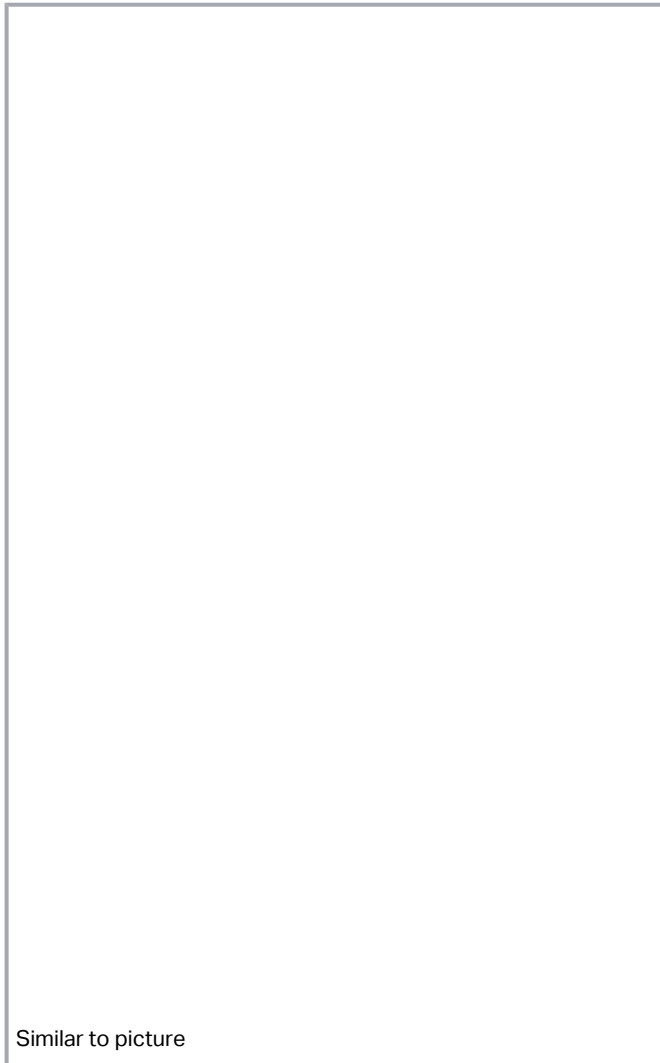


Data sheet | Item number: 787-871

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

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

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- Built-in temperature sensor
- Mounting plate via continuous carrier rail
- Battery-Control (from manufacturing no. 213987) detects both battery life and battery type

Data Notes

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

Input

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

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
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Nominal output current $I_{o\text{nom}}$	20 A
--	------

Energy storage systems

Battery capacity	3.2 Ah
Charging current	$\leq 0.8\text{ A}$
End-of-charge voltage	DC 27 V (25 °C)

Signaling and Communication

Signaling

Circuit protection

Internal fuse	T 25 A
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Safety and protection

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



Protection type	IP20; per EN 60529
Pollution degree	2
Series operation	No
MTBF	> 500,000 h (per IEC 61709)
Service life (typ.)	5 / 4 / 2 a (20 / 30 / 40 °C)

Connection data

Connection type 1	Input/Output/Battery control
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

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



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
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
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-eea90544e30c
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	TP TC 020/2011	RU_C-DE.

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AM02.B.
00093-19UL
Underwriters Laboratories Inc.

UL 508

E255817
UR

Declarations of conformity and manufacturer's declarations

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

Optional accessories

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 mm ²	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 mm ²	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 mm ²	www.wago.com/787-1675

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

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	2019 年7月12 日	xml	Download
X81 - Datei		5.6 kB	

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Instruction Leaflet

Bleigel-Akku-Modul DC 24 V, 3,2 Ah	2022 年3月23 日	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 年8月18 日	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

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