

Data sheet | Item number: 787-872

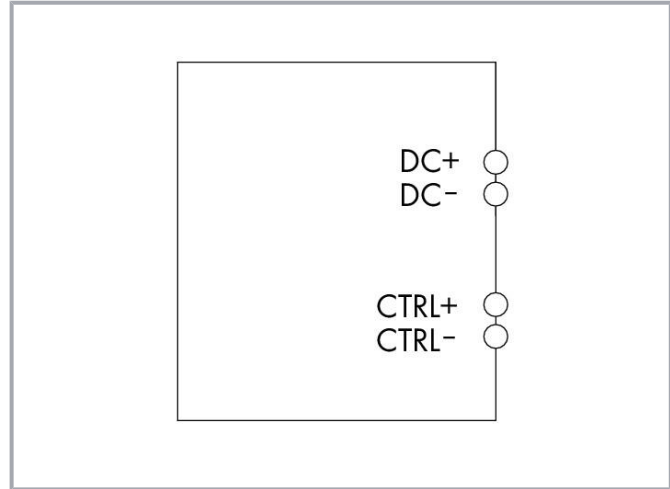
Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 7 Ah capacity; with battery control; 10,00 mm²



www.wago.com/787-872



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 installation via continuous DIN-rail
- Battery control (from manufacturing no. 213987) detects both battery life and battery type

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

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
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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
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Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
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Nominal output current $I_{o\text{nom}}$	40 A
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Energy storage system

Battery capacity	7 Ah
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Charging current	≤ 1.8 A
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End-of-charge voltage	DC 27 V (25 °C)
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Circuit protection

Internal fuse	2 x T 25 A
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Safety and protection

Protection class	III
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Protection type	IP20; per EN 60529
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Pollution degree	2
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Series operation	No
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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
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches
Connection type 2	Battery control
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 231 Series
Solid conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inches
Cable length (max.)	3 m (Input, Output, Battery Control)

Physical data

Width	86 mm / 3.386 inches
Height	239 mm / 9.409 inches
Depth	217.5 mm / 8.563 inches

Mechanical Data

Mounting type	Screw mount
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Material Data

Weight	6500 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

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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
Country of origin	DE
GTIN	4045454909840
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)	b166dff0-ca00-4bec-b3eb-85b5113d134d
SCIP notification number (Belgium)	ce2a4ac0-9076-453e-a0a6-d856f583e07f
SCIP notification number (Bulgaria)	b1e4190d-b93e-4825-9c53-d811eed45ee4
SCIP notification number (Czech Republic)	8f17e927-75d9-4c7b-86f5-74ba197b1fc5
SCIP notification number (Denmark)	092d1704-d92f-4aa6-8d76-5b15a6c232a0
SCIP notification number (Finland)	4d891be6-b42a-472f-9049-87329c6cb37f
SCIP notification number (France)	c8285208-8c6b-436c-81b2-1fcd559b5bd9
SCIP notification number (Germany)	09ce5d04-e7c9-49ef-b77f-50259cfdc3a4
SCIP notification number (Hungary)	b58555dd-b5c4-4e8e-b0ea-a0afc514eefd
SCIP notification number (Italy)	86ae9225-ab1a-4d3c-9a55-e5c0b01638e8
SCIP notification number (Netherlands)	2348385f-de07-4bcf-8984-c3a2a8871127
SCIP notification number (Poland)	e9b58dd4-f332-42fc-b1c3-487f807545b5
SCIP notification number (Romania)	685cc35a-84cc-4414-9b7f-fff002610f92
SCIP notification number (Sweden)	89ac5fd0-61d1-4a8e-b0f8-bfca7d294b00

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name

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AM02.B.
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UL
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

Tool

Operating tool



Item no.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-721



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

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

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	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
Marker		
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501

Downloads

Documentation

Bid Text

787-872 docx - Datei	2019 Jul 12	docx 21.8 kB	Download
787-872 X81 - Datei	2019 Jul 12	xml 5.6 kB	Download
ausschreiben.de 787-872		URL	Download

Instruction Leaflet

Bleigel-Akku-Modul DC 24 V, 7 Ah	2022 Mar 23	pdf 588.5 kB	Download
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Additional Information

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CAD/CAE-Data

CAD data

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Environmental Product Compliance

Compliance Search

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Installation Notes

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