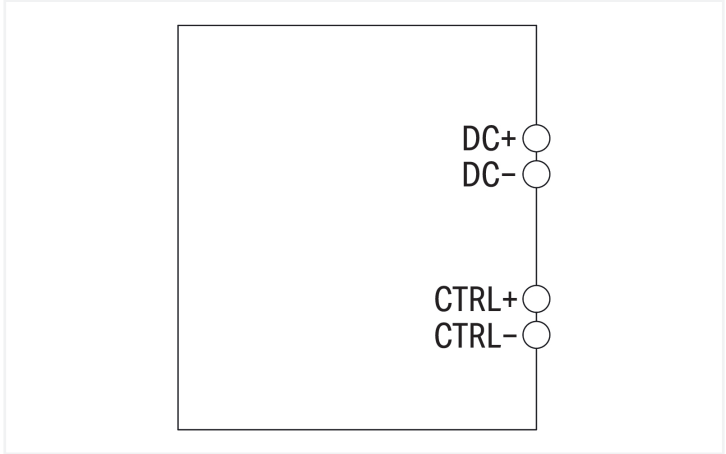


**Data Sheet | Item Number: 787-872**

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

<https://www.wago.com/787-872>



**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

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

**Technical data**

| Input                              |        | Output                              |        |
|------------------------------------|--------|-------------------------------------|--------|
| Nominal input voltage $U_{i\,nom}$ | 24 VDC | Nominal output voltage $U_{o\,nom}$ | 24 VDC |
|                                    |        | Nominal output current $I_{o\,nom}$ | 40 A   |

| Energy storage systems |                        | Signaling and communication |                          |
|------------------------|------------------------|-----------------------------|--------------------------|
| Storage type           | Lead-acid (AGM)        | Signaling                   | Battery control (C+; C-) |
| Battery capacity       | 7 Ah; 168 Ah; 604.8 Ah |                             |                          |
| Charging current       | $\leq 1.8\text{ A}$    |                             |                          |
| End-of-charge voltage  | 27 VDC (25 °C)         |                             |                          |

| Circuit protection |            |
|--------------------|------------|
| Internal fuse      | 2 x T 25 A |



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

| Connection data         |                                      |
|-------------------------|--------------------------------------|
| Cable length (max.)     | 3 m (Input, output, battery control) |
| Connection 1            |                                      |
| Connection type 1       | Input/output                         |
| Connection technology   | Push-in CAGE CLAMP®                  |
| WAGO connector          | WAGO 831 Series                      |
| Solid conductor         | 0.5 ... 10 mm² / 20 ... 8 AWG        |
| Fine-stranded conductor | 0.5 ... 10 mm² / 20 ... 8 AWG        |
| Strip length            | 13 ... 15 mm / 0.51 ... 0.59 inches  |

| Connection 2            |                                   |
|-------------------------|-----------------------------------|
| Connection type         | Battery control                   |
| Connection technology   | CAGE CLAMP®                       |
| WAGO connector 2        | WAGO 231 Series                   |
| Solid conductor         | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
| Fine-stranded conductor | 0.08 ... 2.5 mm² / 28 ... 12 AWG  |
| Strip length            | 8 ... 9 mm / 0.31 ... 0.35 inches |

| 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 |

| Material data |        |
|---------------|--------|
| Fire load     | 0 MJ   |
| Weight        | 6500 g |

| 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<br>UL 508 |

| Commercial data       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| PU (SPU)              | 1 pcs                    |
| Packaging type        | Box                      |
| Country of origin     | DE                       |
| GTIN                  | 4045454909840            |
| Customs tariff number | 85072080900              |

| Product classification |          |
|------------------------|----------|
| UNSPSC                 | 26111707 |

| 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                                                                  |                | Declarations of conformity and manufacturer's declarations |
|  |                |                                                            |
| Approval                                                                           | Standard       | Certificate Name                                           |
| EAC<br>GZO Almaty Standart                                                         | TP TC 020/2011 | EAC CoC 03081                                              |
| UL<br>Underwriters Laboratories Inc.                                               | UL 508         | E255817 UR                                                 |

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |



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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-872

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Documentation

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xml

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Instruction Leaflet

Bleigel-Akku-Modul

23.03.2022

pdf

574.72 KB

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CAD/CAE-Data

CAD data

2D/3D Models 787-872

↓

CAE data

EPLAN Data Portal 787-872

↓

WSCAD Universe 787-872

↓

ZUKEN Portal 787-872

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 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



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



**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



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



1.1.1.2 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



**Item No.: 210-831**  
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.2 Power supply

1.1.2.1 Uninterruptible power supply



**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



**Item No.: 787-870**  
UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; LineMonitor; communication capability



**Item No.: 787-875**  
UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 20 A output current; LineMonitor; communication capability

1.1.3 Tool

1.1.3.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



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