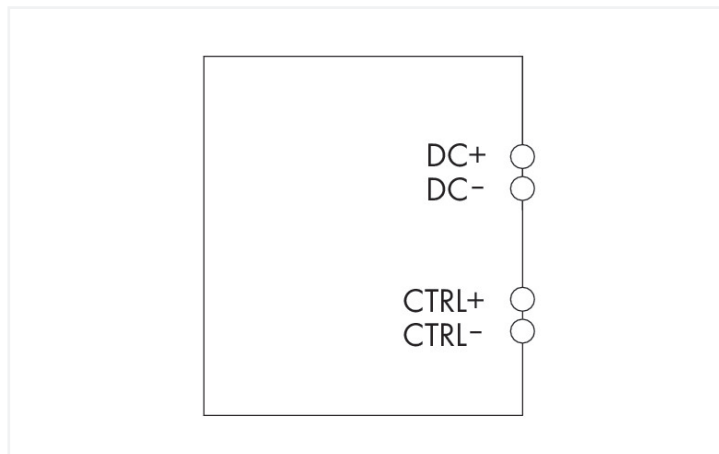


## Data Sheet | Item Number: 787-872

Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 7 Ah capacity; with battery control; 10,00 mm<sup>2</sup>

<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

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

#### Output

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

Nominal output current  $I_{o, \text{nom}}$  40 A

#### Energy storage system

Battery capacity 7 Ah

Charging current  $\leq 1.8 \text{ A}$

End-of-charge voltage DC 27 V (25 °C)

#### Signaling and communication

Signaling Battery control (C+; 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
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
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm <sup>2</sup> / 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 <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm <sup>2</sup> / 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

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 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



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	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

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

### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 787-872	↓

### Documentation

Bid Text			
787-872	12.07.2019	docx 21.31 KB	↓
787-872	12.07.2019	xml 5.51 KB	↓
ausschreiben.de 787-872			

Instruction Leaflet			
Bleigel-Akku-Modul	23.03.2022	pdf 574.72 KB	↓

### 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

<p><b>Item No.: 2009-145</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><b>Item No.: 248-501</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p><b>Item No.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p><b>Item No.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white</p>
<p><b>Item No.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>			

### 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; 10,00 mm<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>

### 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