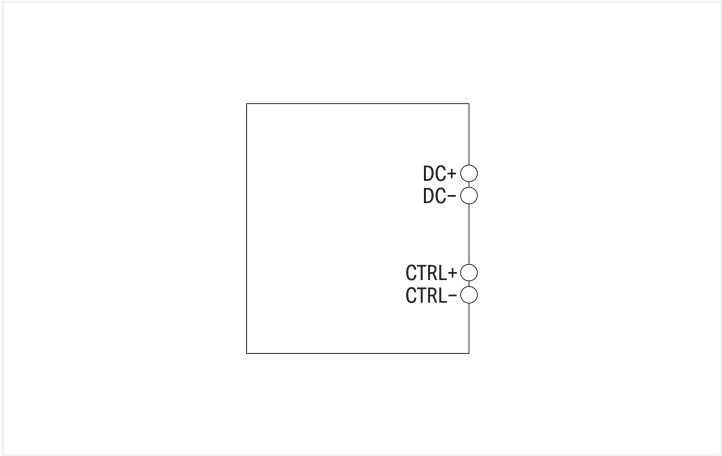


Data Sheet | Item Number: 787-872

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	
Memory type	Lead-acid fleece
Battery capacity	7 Ah; 168 Wh; 604.8 kJ
Charging current	$\leq 1.8\text{ A}$
End-of-charge voltage	27 VDC (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
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	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	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	
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	Vd5-tested battery UL 508	

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

Product Classification		
UNSPSC	26111707	
eCl@ss 10.0	27-05-04-03	
eCl@ss 9.0	27-05-04-03	
ETIM 9.0	EC000357	
ETIM 10.0	EC000357	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
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 GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
		EU-Declaration of Conformity WAGO GmbH & Co. KG

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-872

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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

Lead-acid AGM battery module	31.07.2025	pdf 3401.33 KB	↓
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



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

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Continued on next page



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