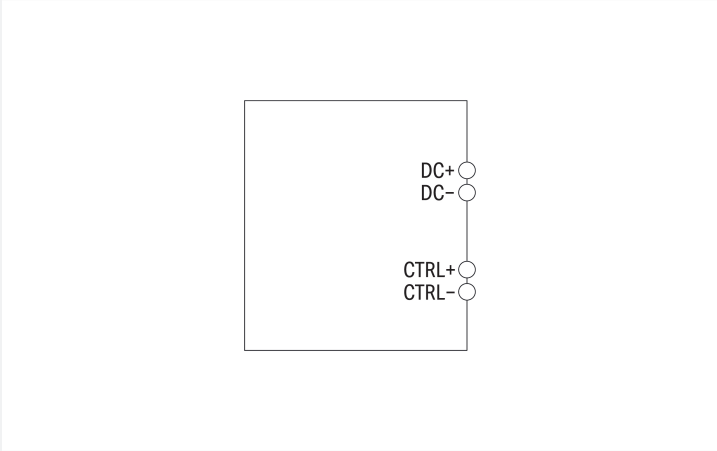
Data Sheet | Item Number: 787-872

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

Nominal input voltage $U_{i\,nom}$	24 VDC

Output

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	≤ 1.8 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

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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)

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Standards and Specifications

Conformity marking	CE
Standards/specifications	VdS-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

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081

Declarations of conformity and manufacturer's declarations

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

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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

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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1.1.1.2 Marking strip

Item No.: 210-831
Marking strips; 25 m on roll; 2.3 mm wide; plain; Self-adhesive; white

Item No.: 210-832
Marking strips; 25 m on roll; 3 mm wide; plain; Self-adhesive; white

Item No.: 2009-110
Marking strips; for Smart Printer; 50 m on roll; not stretchable; plain; snap-on type; 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