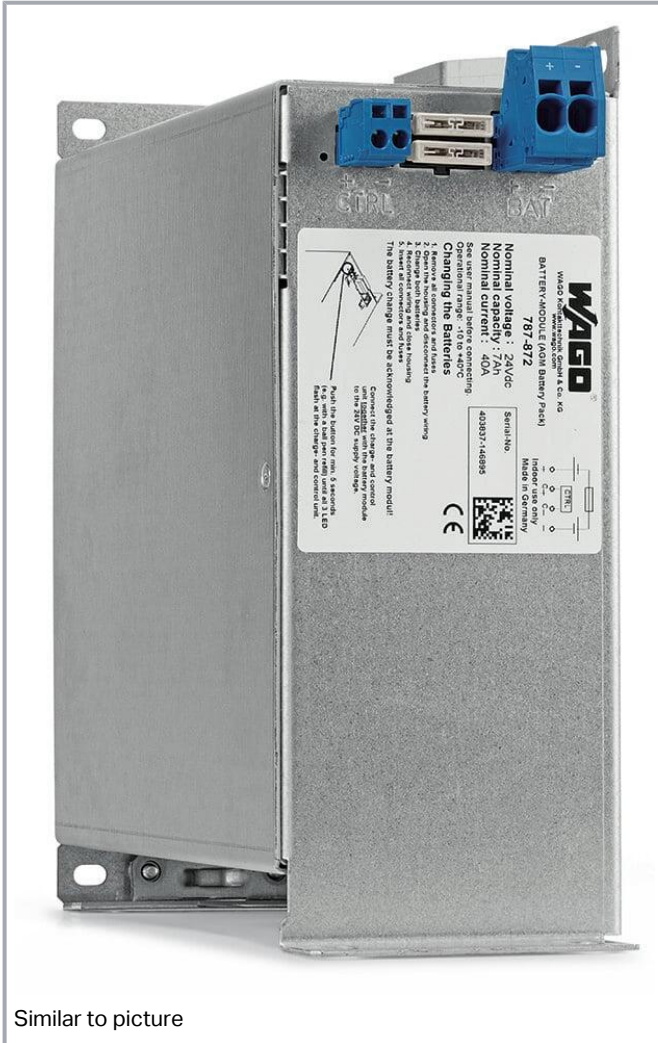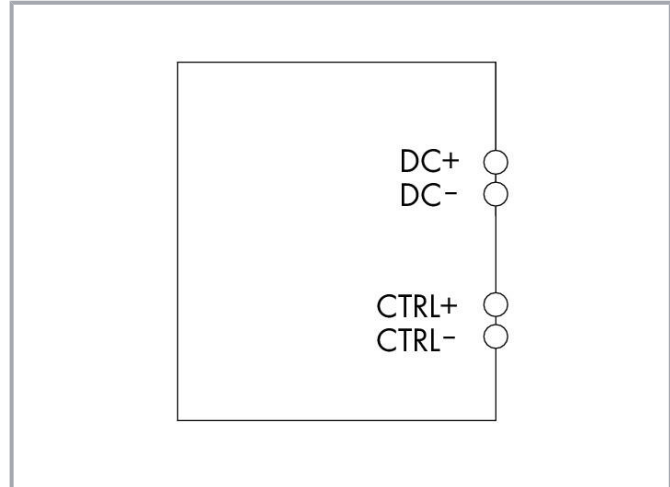# Data sheet | Item number: 787-872

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

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

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- Built-in temperature sensor
- Mounting plate installation via continuous DIN-rail
- Battery control (from manufacturing no. 213987) detects both battery life and battery type

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 $U_{i\,nom}$	DC 24 V

Output

Nominal output voltage $U_{o\,nom}$	DC 24 V
Nominal output current $I_{o\,nom}$	40 A

Energy storage systems

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

Signaling and communication

Signaling	

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

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

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 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 type 2	Battery control
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 231 Series
Solid conductor 2	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor 2	0.08 … 2.5 mm² / 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

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)

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

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
Recupel Type	
ECCN	NO DATA
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

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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
	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

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

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

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

Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720

Marking accessories

Marking strip

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

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Documentation

Bid Text

787-872 docx - Datei	2019 年7月12 日	docx 21.8 kB	Download
787-872 X81 - Datei	2019 年7月12 日	xml 5.6 kB	Download

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Instruction Leaflet

Bleigel-Akku-Modul DC 24 V, 7 Ah	2022 年3月23 日	pdf 588.5 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download

CAD/CAE-Data

CAD data

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Asset Administration Shell

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Environmental Product Compliance

Compliance Search

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Environmental Product Compliance 787-872 Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 7 Ah capacity; with battery control; 10,00 mm²	URL	Download

Installation Notes

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