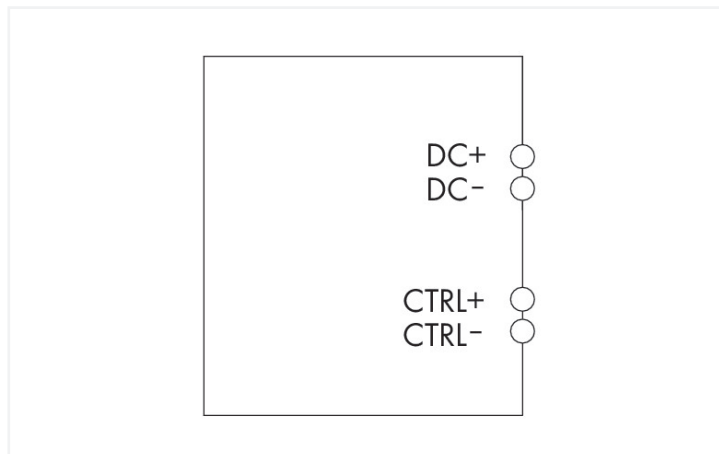


Data Sheet | Item Number: 787-873

Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 12 Ah capacity; with battery control; 10,00 mm²

<https://www.wago.com/787-873>



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. 213412) 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 12 Ah

Charging current ≤ 3 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 ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 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 ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 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	120.5 mm / 4.744 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	10650 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	4045454993900
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)	dbc257cd-3330-4f4d-abfd-a0fe4aef546d
SCIP notification number (Belgium)	e4b4df80-95f0-4508-8a6b-b0e3eeabea05
SCIP notification number (Bulgaria)	769aaa1d-71eb-415f-9a8a-7e1ed4160c57
SCIP notification number (Czech Republic)	13cb88b8-e520-479f-9229-2b13447bfe2c
SCIP notification number (Denmark)	b96478a9-ff5f-46a3-b508-f96bbb3e40e3
SCIP notification number (Finland)	8915f01a-858d-4ce2-a254-e97f966b2643
SCIP notification number (France)	6cf0dce7-0c60-4a7c-a4b6-f52266f315dd
SCIP notification number (Germany)	e3d797b1-bf74-412e-8eb2-67c09e96cf95
SCIP notification number (Hungary)	ac878ccf-94df-407f-83ac-f0b1549039f1
SCIP notification number (Italy)	bd7dfc17-e6fe-4c3d-831b-6055e6553a78
SCIP notification number (Netherlands)	87e9cb0d-06a0-4aee-a0e6-fdbbd632c7dd
SCIP notification number (Poland)	20253e97-b914-4796-896d-7e4d854572e7
SCIP notification number (Romania)	d3a5182e-25b9-4d20-925f-b82139784445
SCIP notification number (Sweden)	c059a02e-d6f9-4b8d-b6bd-b86cbc66398f

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	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 787-873	↓

Documentation

Bid Text			
787-873	12.07.2019	docx 21.33 KB	↓
787-873	12.07.2019	xml 5.68 KB	↓
ausschreiben.de 787-873 ↓			

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

CAD/CAE-Data

CAD data	
2D/3D Models 787-873	↓






CAE data	
EPLAN Data Portal 787-873	↓
WSCAD Universe 787-873	↓
ZUKEN Portal 787-873	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker

			
<p>Item No.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>Item No.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p>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</p>	<p>Item No.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p>
			
<p>Item No.: 2009-115 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 mm²



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



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

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