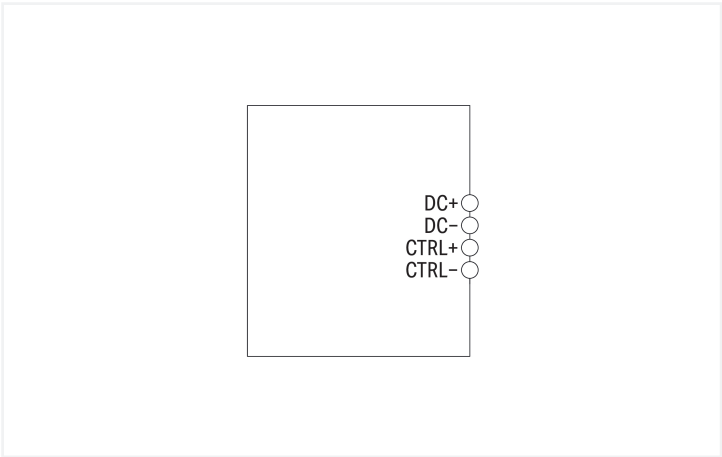


Data Sheet | Item Number: 787-871

Lead-acid AGM battery module; 24 VDC input voltage; 20 A output current; 3.2 Ah capacity; with battery control

<https://www.wago.com/787-871>



- 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 via continuous carrier 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 $U_{i\text{nom}}$	24 VDC	Nominal output voltage $U_{o\text{nom}}$	24 VDC
		Nominal output current $I_{o\text{nom}}$	20 A

Energy storage systems		Signaling and Communication	
Memory type	Lead-acid fleece	Signaling	Battery control (C+; C-)
Battery capacity	3.2 Ah; 76.8 Wh; 276.48 kJ		
Charging current	$\leq 0.8\text{ A}$		
End-of-charge voltage	27 VDC (25 °C)		

Circuit Protection	
Internal fuse	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/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	76.2 mm / 3 inches	
Height	168 mm / 6.614 inches	
Depth	175.5 mm / 6.909 inches	

Mechanical data		
Mounting type	Screw mount	

Material data		
Fire load	0 MJ	
Weight	3079 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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454916626
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)	7b6472ef-42de-45f6-bf0e-be8b9ac48c25
SCIP notification number (Belgium)	07ed6b0d-a231-4e2f-b8d7-3ac2403e53c3
SCIP notification number (Bulgaria)	d9957315-79a3-467a-a5f9-31c4d6b5ba88
SCIP notification number (Czech Republic)	ee47c3b9-2f0b-430c-92f3-ca7236dd3a5a
SCIP notification number (Denmark)	4f92bd01-ef69-47c1-aab5-8b6d06e3d0eb
SCIP notification number (Finland)	0294daf7-25b3-4dd1-a10c-8a4547363b54
SCIP notification number (France)	10201498-261f-4956-95f2-eaa90544e30c
SCIP notification number (Germany)	38458ceb-5763-43a6-93cc-f05a51477e61
SCIP notification number (Hungary)	3ca9a168-305f-4c20-9e34-196878f02e77
SCIP notification number (Italy)	fe08e321-647a-46a9-96f0-6e8342a4c2ad
SCIP notification number (Netherlands)	adb489ff-bed5-4b65-b460-44e5d1c1e054
SCIP notification number (Poland)	fa986362-c788-4500-bd29-f4fd52521496
SCIP notification number (Romania)	978a05a9-df26-40b6-928c-1b01d5ce4682
SCIP notification number (Sweden)	981fe31d-cc9a-40f7-a7a8-8e63a9cb11a1

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
		ApprovalStandardCertificate Name EU-Declaration of Confor- - - mity WAGO GmbH & Co. KG



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-871

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Documentation

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docx

21.02 KB

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Instruction Leaflet

Lead-acid AGM battery module

31.07.2025

pdf

3401.33 KB

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Lead-acid AGM battery module

23.03.2022

pdf

574.72 KB

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CAD/CAE-Data

CAD data

2D/3D Models 787-871

↓

CAE data

EPLAN Data Portal 787-871

↓

WSCAD Universe 787-871

↓

ZUKEN Portal 787-871

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



[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