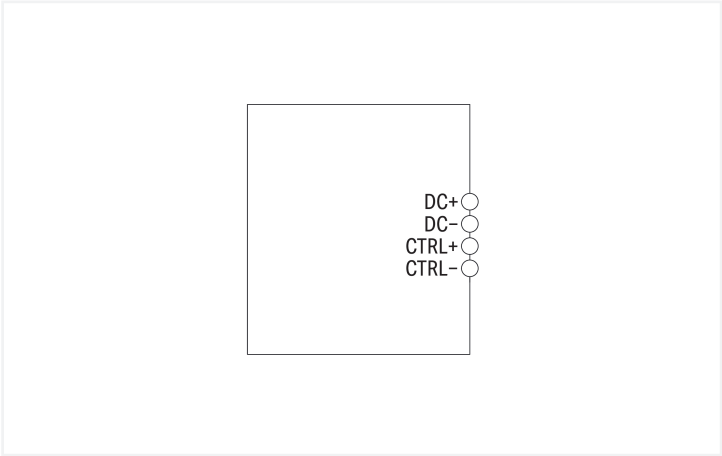


Data Sheet | Item Number: 787-876

Lead-acid AGM battery module; 24 VDC input voltage; 7.5 A output current; 1.2 Ah capacity; with battery control

<https://www.wago.com/787-876>



Features:

- Lead-acid, absorbed glass mat (AGM) battery module for uninterruptible power supply (UPS)
- Can be connected to both 787-870 UPS Charger and Controller and 787-1675 Power Supply with integrated UPS charger and controller
- Parallel operation provides higher buffer time
- Built-in temperature sensor
- DIN-35-rail mountable
- Battery control (from manufacturing no. 216570) 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 $I_{o\,nom}$	7.5 A
Energy storage systems		Signaling and Communication	
Memory type	Lead-acid fleece	Signaling	Battery control (C+; C-)
Battery capacity	1.2 Ah; 28.8 Wh; 103.68 kJ		
Charging current	$\leq 0.3\text{ A}$		
End-of-charge voltage	27 VDC (25 °C)		
Circuit Protection			
Internal fuse	T 15 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	55 mm / 2.165 inches
Height	153 mm / 6.024 inches
Depth from upper-edge of DIN-rail	126.6 mm / 4.984 inches
Note (dimensions)	Height with connector

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Weight	1980 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	4050821298243	
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)	35ab2e59-bacb-4392-9887-576ff84b6de5	
SCIP notification number (Belgium)	e4c5e777-34dc-4ce1-8ff5-b0c8c6a29bca	
SCIP notification number (Bulgaria)	e7bd2258-d862-47b1-b90f-94af976b385a	
SCIP notification number (Czech Republic)	1cadbc50-db83-42ed-9bae-9cafc51d73f8	
SCIP notification number (Denmark)	f08b16c7-5e67-4830-bdc2-847555db677b	
SCIP notification number (Finland)	4f9f0273-73f8-4987-9908-fab577177f3f	
SCIP notification number (France)	120ad21d-5464-4f71-8b04-64430d335c9c	
SCIP notification number (Germany)	72bdfcdf-039a-4903-a04f-647d7a66dbd3	
SCIP notification number (Hungary)	3c7304ff-e68d-4940-a26c-031c28a3a9ba	
SCIP notification number (Italy)	65f71f76-8ea5-46d5-9032-31844fa05d8f	
SCIP notification number (Netherlands)	27b8a7a0-71f4-4953-a258-df1fb592c439	
SCIP notification number (Poland)	a39e1dfa-494b-46e3-ab0c-a5f0e54f8fa2	
SCIP notification number (Romania)	ebab566d-d028-4149-83d8-c24378ed2007	
SCIP notification number (Sweden)	31dbd2a0-4e36-455c-98b1-4241963e568c	

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 Conformity - WAGO GmbH & Co. KG -



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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-876

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Documentation

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xml

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Instruction Leaflet

Lead-acid AGM battery module

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CAD/CAE-Data

CAD data

2D/3D Models 787-876

↓

CAE data

EPLAN Data Portal 787-876

↓

WSCAD Universe 787-876

↓

ZUKEN Portal 787-876

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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

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Continued on next page

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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