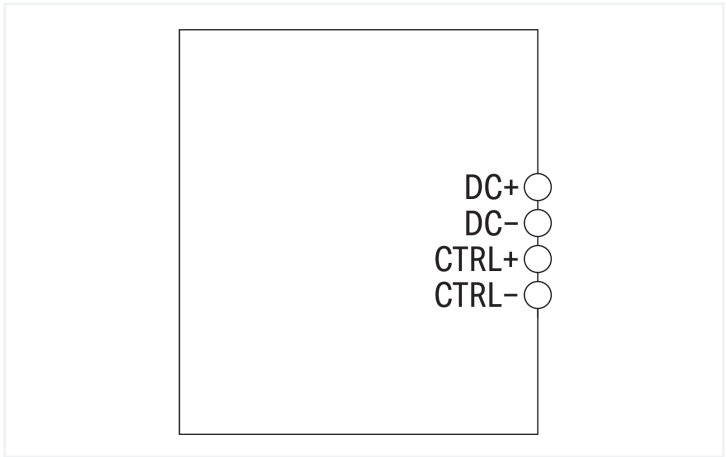


Data Sheet | Item Number: 787-876

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	
Storage type	Lead-acid (AGM)
Battery capacity	1.2 Ah; 28.8 Ah; 103.68 Ah
Charging current	$\leq 0.3\text{ A}$
End-of-charge voltage	27 VDC (25 °C)

Signaling and communication	
Signaling	Battery control (C+; 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 1	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	
Fire load	0 MJ
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)	
eCl@ss 10.0	27-05-04-03	
eCl@ss 9.0	27-05-04-03	
ETIM 9.0	EC000357	
ETIM 8.0	EC000357	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4050821298243	
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)	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
UL Underwriters Laboratories Inc.	UL 508	E255817 UR
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG



Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-876	↓

Documentation			
Bid Text		Instruction Leaflet	
787-876	12.07.2019	docx 20.90 KB	↓
787-876	12.07.2019	xml 5.58 KB	↓
ausschreiben.de 787-876			↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-876	EPLAN Data Portal 787-876
↓	↓
	WSCAD Universe 787-876
	↓
	ZUKEN Portal 787-876
	↓

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
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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



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