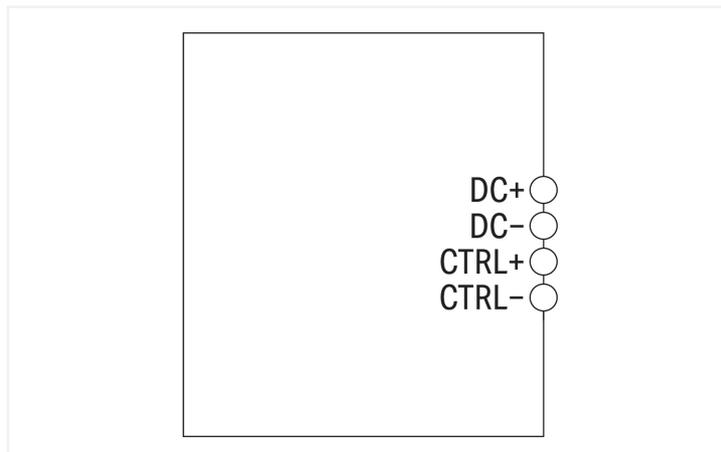


Data Sheet | Item Number: 787-876

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

Nominal input voltage $U_{i\text{nom}}$ 24 VDC

Output

Nominal output voltage $U_{o\text{nom}}$ 24 VDC

Nominal output current $I_{o\text{nom}}$ 7.5 A

Energy storage systems

Memory type Lead-acid fleece

Battery capacity 1.2 Ah; 28.8 Wh; 103.68 kJ

Charging current ≤ 0.3 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	Input/output/battery control
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 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)
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 8.0	EC000357
ECCN	NO US CLASSIFICATION

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



Approval	Standard	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

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 787-876	↓

Documentation

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

Instruction Leaflet			
Blei-Vlies-Akku-Modul; Eingangsspannung DC 24 V; Ausgangsstrom 20 A; Kapazität 3,2 Ah; mit Battery-Control	31.07.2025	pdf 3401.33 KB	↓
Bleigel-Akku-Modul	23.03.2022	pdf 574.72 KB	↓

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 ↓

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

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