

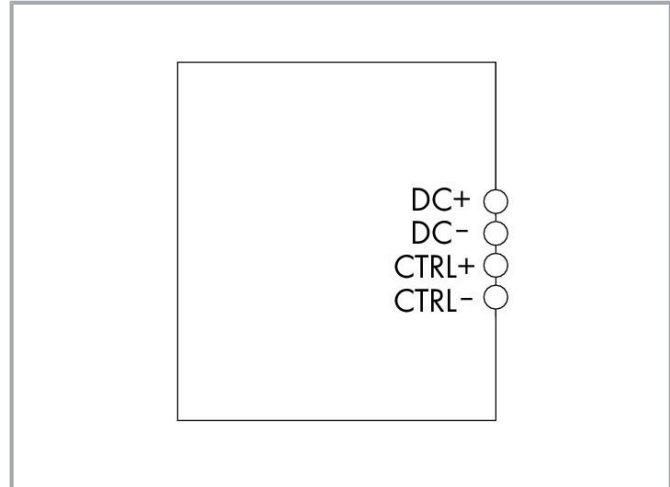
Data sheet | Item number: 787-876

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

www.wago.com/787-876



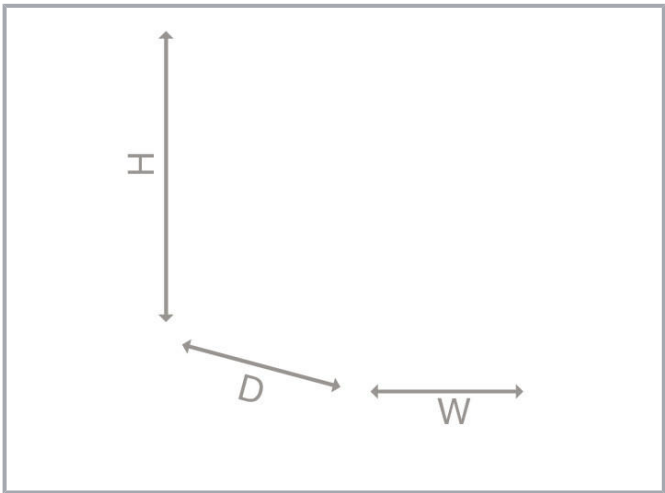
Similar to picture



Subject to changes. Please also observe the further product documentation!

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Item description

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

Note:

For parallel connection, please switch battery capacity setting to “OFF” in the UPS charger and controller.

Data
Technical data

Input

Nominal input voltage $U_{i\,nom}$	DC 24 V
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Output

Nominal output voltage $U_{o\,nom}$	DC 24 V
Nominal output current $I_{o\,nom}$	7.5 A

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Energy storage system

Battery capacity	1.2 Ah
Charging current	≤ 0.3 A
End-of-charge voltage	DC 27 V (25 °C)

Signaling and communication

Signaling	Battery control (C+; C-)
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Circuit protection

Internal fuse	T 15 A
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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/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 inch
Line length (max.)	3 m (Input, Output, Battery Control)

Physical data

Width	55 mm / 2.165 inch
Height	153 mm / 6.024 inch
Depth from upper edge of DIN-rail	126.6 mm / 4.984 inch
Note (dimensions)	Height with connector

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Mechanical data

Mounting type	DIN-35 rail
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Material data

Weight	1980 g 2140 g
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Environmental requirements

Surrounding air temperature (operation)	-10 ... 40 °C
Surrounding air 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 Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4050821298243
Customs tariff number	85072080900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817 UR

Compatible products

power supply

Item no.: 787-1675

Subject to changes. Please also observe the further product documentation!



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 www.wago.com/787-1675

**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

www.wago.com/787-870

ferrule**Item no.: 216-201**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201

**Item no.: 216-202**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202

**Item no.: 216-203**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-203

**Item no.: 216-204**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-204

**Item no.: 216-221**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-221

**Item no.: 216-222**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-222

**Item no.: 216-223**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-223

**Item no.: 216-224**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-224

**Item no.: 216-241**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

www.wago.com/216-241

**Item no.: 216-242**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

www.wago.com/216-242

**Item no.: 216-243**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

www.wago.com/216-243

**Item no.: 216-244**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

www.wago.com/216-244

**Item no.: 216-262**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

www.wago.com/216-262

**Item no.: 216-263**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

www.wago.com/216-263

Item no.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight

www.wago.com/216-264

Subject to changes. Please also observe the further product documentation!

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crimped; acc. to DIN 46228, Part 4/09.90; black

**Item no.: 216-284**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blackwww.wago.com/216-284**Item no.: 216-301**Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-301**Item no.: 216-302**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; greenwww.wago.com/216-302**Item no.: 216-321**Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-321**Item no.: 216-322**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; greenwww.wago.com/216-322**Marking accessories****Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

www.wago.com/210-831**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

www.wago.com/210-832**tools****Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720**Downloads****Documentation****Bid Text**

787-876	2019 Jul 12	docx	Download
docx - Datei		21.4 kB	

787-876	2019 Jul 12	xml	Download
X81 - Datei		5.7 kB	

Instruction Leaflet

EPSITRON-Bleigel-Akku-Modul	2021 Apr 22	pdf	Download
DC 24 V, 1,2 Ah		588.5 kB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

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CAD/CAE-Data

CAD data

2D/3D Models 787-876	URL	Download
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CAE data

EPLAN Data Portal 787-876	URL	Download
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WSCAD Universe 787-876	URL	Download
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ZUKEN Portal 787-876	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-876	URL	Download
Lead-acid AGM battery module; 24 VDC input voltage; 7.5 A output current; 1.2 Ah capacity; with battery control		

Installation Notes

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