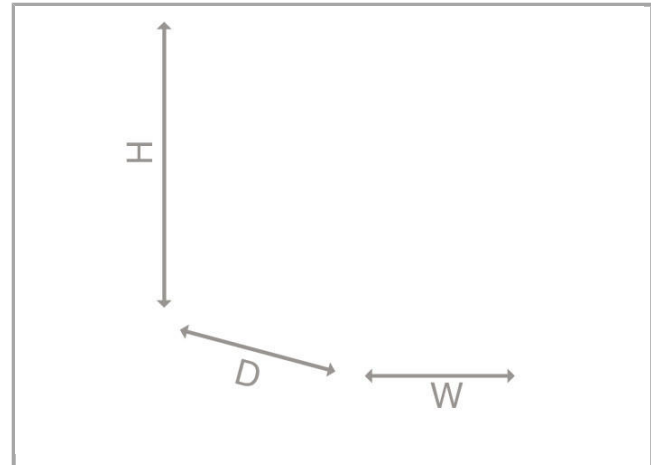
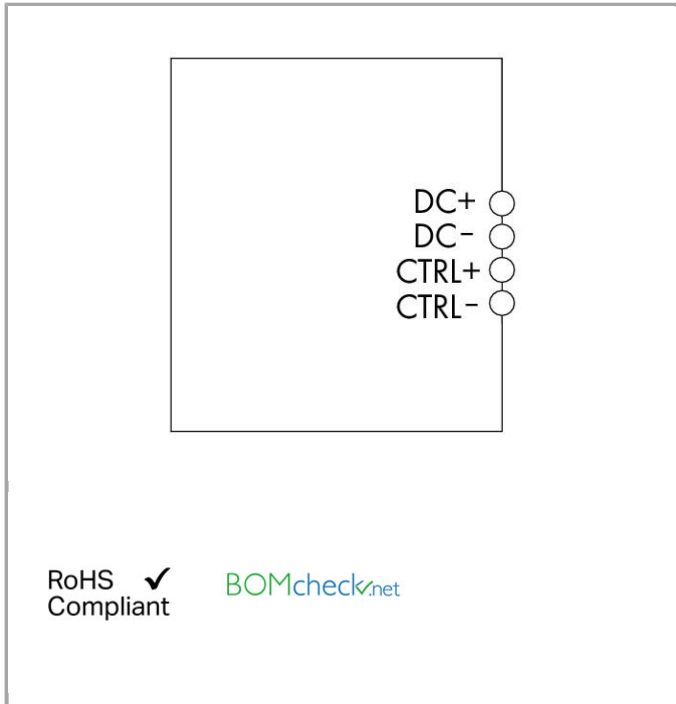


Data sheet | Item number: 787-871

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



787-871



Item description

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

Note:

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

Data

Technical Data

Input

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

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
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Nominal output current $I_{o\text{nom}}$	20 A
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Energy storage

Battery capacity	3.2 Ah
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Charging current	≤ 0.8 A
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End-of-charge voltage	DC 27 V (25 °C)
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Signaling and communication

Signaling	Battery Control (C+, C-)
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Fuse protection:

Internal fuse	T 25 A
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Safety and protection:

Protection class	III
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Protection class	IP20 (per EN 60529)
------------------	---------------------

Series connection	No
-------------------	----

MTBF	> 500,000 h (per IEC 61709)
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Service life typ.	5 / 4 / 2 a (20 / 30 / 40 °C)
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Connection data

Connection type (1)	Input/Output/Battery control
---------------------	------------------------------

Connection technology	CAGE CLAMP®
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WAGO terminal	WAGO 231 Series
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Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
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Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
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Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
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Max. line length	3 m (Input, Output, Battery Control)
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Geometrical Data

Width	76.2 mm / 3 inch
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Height	168 mm / 6.614 inch
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Depth	175.5 mm / 6.909 inch
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Mechanical data

Type of mounting	Screw mounting
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Material Data

Weight	3975 g
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Environmental Requirements

Surrounding air (operating) temperature	-10 ... 40 °C
Surrounding air (storage) temperature	-20 ... 40 °C
Pollution degree	2

Standards and specifications


Conformity marking	1
Standards/specifications	Battery is tested to UL 508

Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454916626
Customs Tariff No.	85072080900


Approvals / Certificates

UL-Approvals


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

Compatible products

tools


	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
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Marking accessories

	Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive	210-831
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	Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive	210-832
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ferrule


	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated	216-201
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	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated	216-202
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	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated	216-203
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	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated	216-204
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	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated	216-221
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	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated	216-222
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	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated	216-223
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	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated	216-224
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	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-241
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	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-242
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	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-243
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	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-244
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	Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-262
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	Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-263
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	Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-264
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	Item no.: 216-284 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-284
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	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated	216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated	216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated	216-322
General accessories		
	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	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	787-870
	Item no.: 787-875 UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 20 A output current; LineMonitor; communication capability	787-875

Downloads

Documentation

Bid Text

787-871	Apr 4, 2012	doc 32.3 kB	Download
Stromversorgung EPSITRON			

Instruction Leaflet

EPSITRON Lead Gel Battery Modules		pdf 1.2 MB	Download
24 VDC, 3.2 Ah			

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE - Smart Data

CAD data

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Subject to changes.
