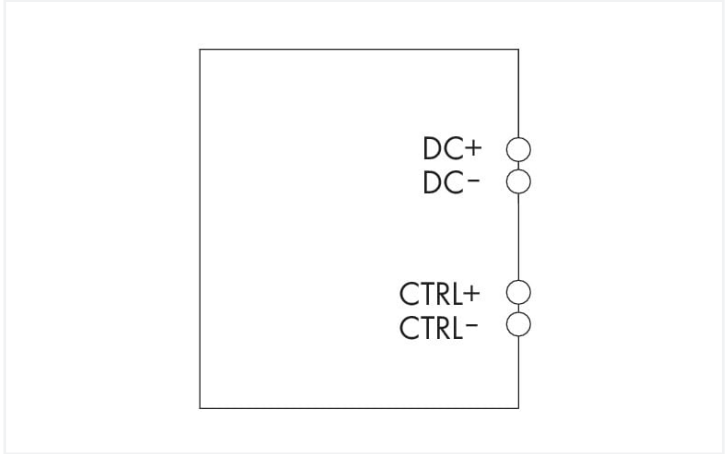


Data Sheet | Item Number: 787-872

Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 7 Ah capacity; with battery control; 10,00 mm²

<https://www.wago.com/787-872>



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 installation via continuous DIN-rail
- Battery control (from manufacturing no. 213987) 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 $U_{i\,nom}$	DC 24 V	Nominal output voltage $U_{o\,nom}$	DC 24 V
		Nominal output current $I_{o\,nom}$	40 A
Energy storage systems		Signaling and communication	
Battery capacity	7 Ah	Signaling	Battery control (C+; C-)
Charging current	$\leq 1.8\text{ A}$		
End-of-charge voltage	DC 27 V (25 °C)		
Circuit protection			
Internal fuse	2 x T 25 A		



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
Connection technology		Push-in CAGE CLAMP®
WAGO connector		WAGO 831 Series
Solid conductor		0.5 ... 10 mm² / 20 ... 8 AWG
Fine-stranded conductor		0.5 ... 10 mm² / 20 ... 8 AWG
Strip length		13 ... 15 mm / 0.51 ... 0.59 inches
Connection type 2		Battery control
Connection technology		CAGE CLAMP®
WAGO connector 2		WAGO 231 Series
Solid conductor 2		0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor 2		0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length 2		8 ... 9 mm / 0.31 ... 0.35 inches
Cable length (max.)		3 m (Input, output, battery control)

Physical data		
Width		86 mm / 3.386 inches
Height		239 mm / 9.409 inches
Depth		217.5 mm / 8.563 inches

Mechanical data		
Mounting type		Screw mount

Material data		
Fire load		0 MJ
Weight		6500 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 8.0	EC000357	
ETIM 7.0	EC000357	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4045454909840	
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)	b166dff0-ca00-4bec-b3eb-85b5113d134d	
SCIP notification number (Belgium)	ce2a4ac0-9076-453e-a0a6-d856f583e07f	
SCIP notification number (Bulgaria)	b1e4190d-b93e-4825-9c53-d811eed45ee4	
SCIP notification number (Czech Republic)	8f17e927-75d9-4c7b-86f5-74ba197b1fc5	
SCIP notification number (Denmark)	092d1704-d92f-4aa6-8d76-5b15a6c232a0	
SCIP notification number (Finland)	4d891be6-b42a-472f-9049-87329c6cb37f	
SCIP notification number (France)	c8285208-8c6b-436c-81b2-1fcd559b5bd9	
SCIP notification number (Germany)	09ce5d04-e7c9-49ef-b77f-50259cfdc3a4	
SCIP notification number (Hungary)	b58555dd-b5c4-4e8e-b0ea-a0afc514eefd	
SCIP notification number (Italy)	86ae9225-ab1a-4d3c-9a55-e5c0b01638e8	
SCIP notification number (Netherlands)	2348385f-de07-4bcf-8984-c3a2a8871127	
SCIP notification number (Poland)	e9b58dd4-f332-42fc-b1c3-487f807545b5	
SCIP notification number (Romania)	685cc35a-84cc-4414-9b7f-fff002610f92	
SCIP notification number (Sweden)	89ac5fd0-61d1-4a8e-b0f8-bfca7d294b00	

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	RU_C-DE.AM02. B.00093-19
UL Underwriters Laboratories Inc.	UL 508	E255817 UR

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



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1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker

Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.1.2 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



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; 10,00 mm²



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



Item No.: 787-875
UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 20 A output current; LineMonitor; communication capability; 10,00 mm²

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



Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured