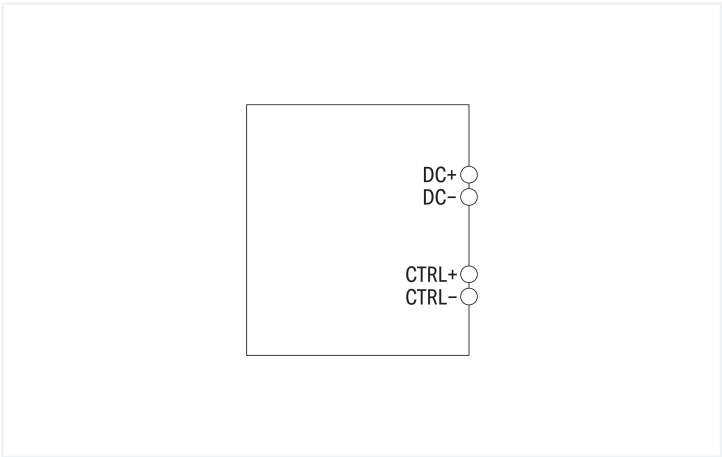


Data Sheet | Item Number: 787-873

Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 12 Ah capacity; with battery control

<https://www.wago.com/787-873>



- 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. 213412) 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 $U_{i\text{nom}}$	24 VDC	Nominal output voltage $U_{o\text{nom}}$	24 VDC
		Nominal output current $I_{o\text{nom}}$	40 A

Energy storage systems	
Memory type	Lead-acid fleece
Battery capacity	12 Ah; 288 Wh; 1036.8 kJ
Charging current	$\leq 3\text{ A}$
End-of-charge voltage	27 VDC (25 °C)

Signaling and Communication	
Signaling	Battery control (C+; 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
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
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 2	
Connection type	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	120.5 mm / 4.744 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	10650 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	4045454993900
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 10.0	EC000357
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	dbc257cd-3330-4f4d-abfd-a0fe4aef546d
SCIP notification number (Belgium)	e4b4df80-95f0-4508-8a6b-b0e3eeabea05
SCIP notification number (Bulgaria)	769aaa1d-71eb-415f-9a8a-7e1ed4160c57
SCIP notification number (Czech Republic)	13cb88b8-e520-479f-9229-2b13447bfe2c
SCIP notification number (Denmark)	b96478a9-ff5f-46a3-b508-f96bbb3e40e3
SCIP notification number (Finland)	8915f01a-858d-4ce2-a254-e97f966b2643
SCIP notification number (France)	6cf0dce7-0c60-4a7c-a4b6-f52266f315dd
SCIP notification number (Germany)	e3d797b1-bf74-412e-8eb2-67c09e96cf95
SCIP notification number (Hungary)	ac878ccf-94df-407f-83ac-f0b1549039f1
SCIP notification number (Italy)	bd7dfc17-e6fe-4c3d-831b-6055e6553a78
SCIP notification number (Netherlands)	87e9cb0d-06a0-4aee-a0e6-fdbbd632c7dd
SCIP notification number (Poland)	20253e97-b914-4796-896d-7e4d854572e7
SCIP notification number (Romania)	d3a5182e-25b9-4d20-925f-b82139784445
SCIP notification number (Sweden)	c059a02e-d6f9-4b8d-b6bd-b86cbc66398f

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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-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



Item No.: 787-870
UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; LineMonitor; communication capability



Item No.: 787-875
UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 20 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



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