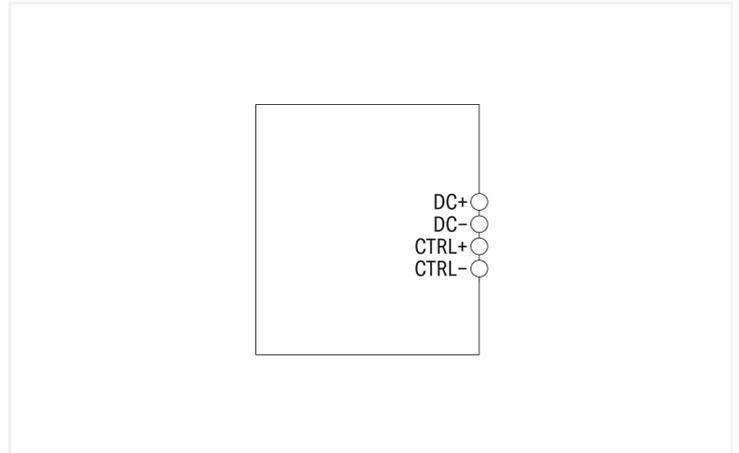


## Data Sheet | Item Number: 787-878/000-2500

Pure Lead Battery Module; 24 VDC input voltage; 20 A output current; Capacity: 2.5 Ah; with battery control

<https://www.wago.com/787-878/000-2500>



Similar to illustration

### Features:

- Pure lead battery module: 12 x CYCLON battery (D cell) per module
- Various mounting options
- Intelligent battery management (battery control)
- Optional coated PCB
- Pluggable connection technology (WAGO MULTI CONNECTION SYSTEM)

### 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  $I_{o, \text{nom}}$  20 A

### Energy storage systems

Memory type Pure lead  
Battery capacity 2.5 Ah; 60 Wh; 216 kJ  
Charging current  $\leq 5$  A  
End-of-charge voltage 27 VDC (25 °C)

### Signaling and Communication

Signaling Battery control (C+; C-)

### Circuit Protection

Internal fuse T 25 A

## Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Overvoltage category	I
Pollution degree	2
Parallel operation	Yes
Series operation	No
Service life (typ.)	15 / 8 / 4 a (20 / 30 / 40 °C)

## Connection Data

Cable length (max.)	3 m
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### Connection 1

Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

### Connection 2

Connection type	Battery control
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

## Physical data

Width	86 mm / 3.386 inches
Height	186 mm / 7.323 inches
Depth	160 mm / 6.299 inches

## Mechanical data

Mounting type	Direct screw connection Optional DIN-rail mount (EN 60715)
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## Material data

Fire load	0 MJ
Weight	3535 g

## Environmental requirements

Ambient temperature (operation)	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +60 °C
Relative humidity	5 ... 80 % (no condensation permissible)
Self-discharge	3 % per month at 20 °C
Commissioning	6 months at 30 ... 40 °C

Standards and Specifications			
Conformity marking	CE		
Commercial data			
PU (SPU)	1 pcs		
Packaging type	Box		
Country of origin	DE		
GTIN	4055143738101		
Customs tariff number	85044083900		
Product Classification			
UNSPSC	26111707		
ETIM 9.0	EC000357		
ETIM 10.0	EC000357		
ECCN	NO US CLASSIFICATION		
Environmental Product Compliance			
RoHS Compliance Status	Compliant, No Exemption		
Approvals / Certificates			
General approvals		Declarations of conformity and manufacturer's declarations	
Approval	Standard	Certificate Name	Approval
EAC	TP TC 020/2011	EAC CoC 03081	EU-Declaration of Confor-
GZO Almaty Standart			mity
			WAGO GmbH & Co. KG
Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance			↓
787-878/000-2500			
Documentation			
Bid Text			Instruction Leaflet
787-878/000-2500	12.12.2019	xml 5.18 KB	Pure lead battery mo-
			dule
			22.04.2021
			pdf
			376.95 KB
			↓
787-878/000-2500	12.12.2019	docx 18.07 KB	
ausschreiben.de			
787-878/000-2500			↓

## CAD/CAE-Data

### CAD data

2D/3D Models  
787-878/000-2500



### CAE data

EPLAN Data Portal  
787-878/000-2500



## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Mounting adapter

##### 1.1.1.1 DIN-rail adapter



**Item No.: [787-897](#)**

Carrier rail adapter made of zinc die-cast;  
for mounting 787-8xx devices to a DIN 35  
rail; gray