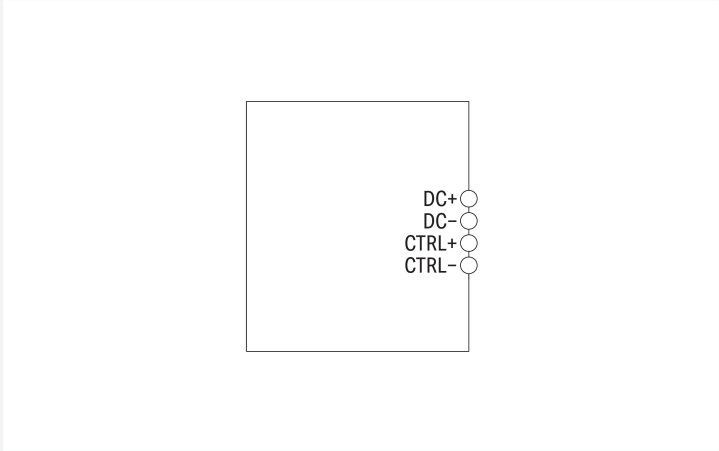
Data Sheet | Item Number: 787-878/000-2500

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 $U_{i\,nom}$	24 VDC

Output

Nominal output voltage $U_{o\,nom}$	24 VDC
Nominal output current $I_{o\,nom}$	20 A

Energy storage systems

Memory type	Pure lead
Battery capacity	2.5 Ah; 60 Wh; 216 kJ
Charging current	≤ 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

Connection 1

Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 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

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	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)

Material data

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

Continued on next page

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

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
787-878/000-2500

Documentation

Bid Text

787-878/000-2500	12.12.2019	xml 5.18 KB
787-878/000-2500	12.12.2019	docx 18.07 KB
ausschreiben.de 787-878/000-2500		

Instruction Leaflet

Pure lead battery module	22.04.2021	pdf 376.95 KB

Continued on next page

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 787-878/000-2500	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