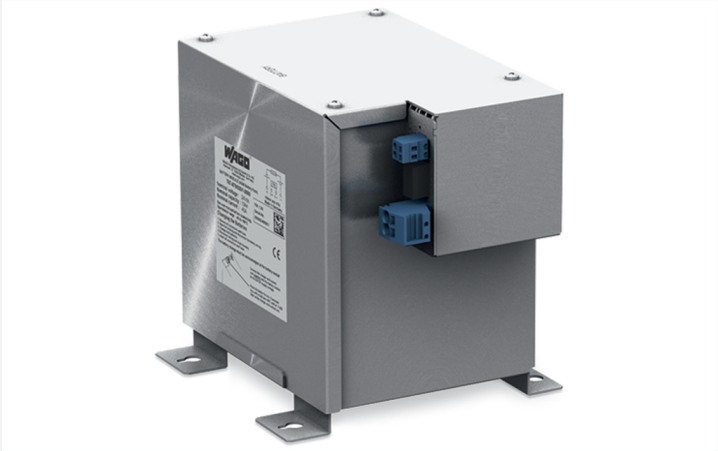
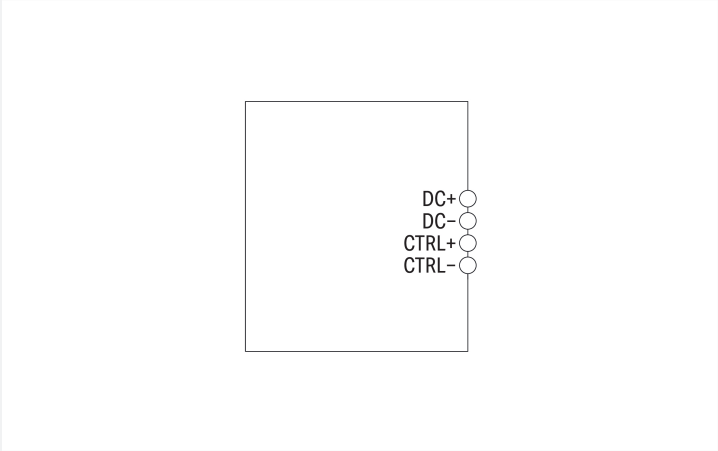
Data Sheet | Item Number: 787-878/001-3000

Pure Lead Battery Module; 24 VDC input voltage; 40 A output current; Capacity: 13 Ah; with battery control

https://www.wago.com/787-878/001-3000





Similar to illustration

Features:

- Pure lead battery module: 2 x Genesis EPX battery per module
- 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 $I_{o\,nom}$	40 A

Energy storage systems

Memory type	Pure lead
Battery capacity	13 Ah; 312 Wh; 1123.2 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	2 x T 25 A

Continued on next page

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	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	217 mm / 8.543 inches
Height	186 mm / 7.323 inches
Depth	199.5 mm / 7.854 inches

Mechanical data

Mounting type	Direct screw connection

Material data

Weight	12300 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	4055143739177
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
787-878/001-3000

Documentation

Bid Text

787-878/001-3000	12.12.2019	xml 5.11 KB
787-878/001-3000	12.12.2019	docx 18.06 KB
ausschreiben.de 787-878/001-3000		

Instruction Leaflet

Pure lead battery module	22.04.2021	pdf 376.95 KB

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
787-878/001-3000