

**ConnectPower
CP A BATTERY 24V DC12AH**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



The Weidmüller battery modules consist of high-quality Panasonic batteries. These are sealed, maintenance-free lead-fleece batteries. The battery modules are fitted with a temperature sensor to provide optimum battery charging and battery life. This facilitates temperature-compensated charging of the batteries.

The neat design as well as the plug-in connections for the battery connection and the temperature sensor allow the batteries to be fitted safely and quickly.

General ordering data

Type	CP A BATTERY 24V DC12AH
Order No.	1251090000
Version	Battery
GTIN (EAN)	4050118043129
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	229	Width (inches)	9.016 inch
Height	155 mm	Height (inches)	6.102 inch
Depth	134 mm	Depth (inches)	5.276 inch
Net weight	9,120 g		

Temperatures

Operating temperature, max.	40 °C	Operating temperature, min.	0 °C
Storage temperature, max.	40 °C	Storage temperature, min.	-15 °C
Operating temperature	0 °C...40 °C	Ambient temperature	0°...+40°C (Charging); -15° ...+50°C (Discharging)
Storage temperature	-15 °C...40 °C		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Operating interfaces and control inputs

Temperature probe NTC 100 kΩ

Input

Charging current, max.	1.8 A	Nominal capacity	12 Ah
Rated input voltage	24 V DC		

Output

Buffer time 10A	51 min	Buffer time 20A	22.7 min
Buffer time 40A	9.2 min	Output current, max.	50 A
Overload and short circuit protection	2x25 A fuse	Parallel connection option	Yes
Protection against inverse voltage	Yes	Temperature probe	NTC 100 kΩ

General data

Battery type	Maintenance-free AGM lead-acid battery	Latest commissioning	9 months
Max. perm. air humidity (operational)	5 %...95 % RH	Operating life	6...9 years at 20°C
Operating temperature	0 °C...40 °C	Protection degree	IP20
Series switching capability	No	Shock wall acc. to IEC 68227	30 g
Vibration DIN rail/wall in accordance with IEC 68-2-6	- / 0.7 g		

Insulation coordination

Protection class III, with no ground connection, for SELV

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Technical data

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , min.	0.5 mm ²	Conductor cross-section, rigid , max.	16 mm ²
Conductor cross-section, rigid , min.	0.2 mm ²	Tightening torque, max.	1.5 Nm
Tightening torque, min.	1.2 Nm	Wire connection cross section, flexible (input), max.	16 mm ²

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , max.	16 mm ²	Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	16 mm ²	Conductor cross-section, rigid , min.	0.2 mm ²
Number of terminals	2 (+ / -)	Tightening torque, max.	1.5 Nm
Tightening torque, min.	1.2 Nm		

Connection data (signal)

Number of terminals	2	Wire connection cross-section, flexible (signal), max.	1.5 mm ²
Wire connection cross-section, flexible (signal), min.	0.2 mm ²	Wire connection method	Pluggable screw connection
Wire cross-section, AWG/kcmil , max.	16	Wire cross-section, AWG/kcmil , min.	28
Wire cross-section, solid , max.	1.5 mm ²	Wire cross-section, solid , min.	0.2 mm ²

Approvals

Institute (GERMLLOYD)		Certificate No. (GERMLLOYD)	61934-14
Institute (cULus)		Certificate no. (cULus)	E354601

Classifications

ETIM 6.0	EC002850	ETIM 7.0	EC002850
eClass 9.0	27-04-06-92	eClass 9.1	27-04-92-01
eClass 10.0	27-04-06-92		

Approvals

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ROHS	Conform

Data sheet**ConnectPower
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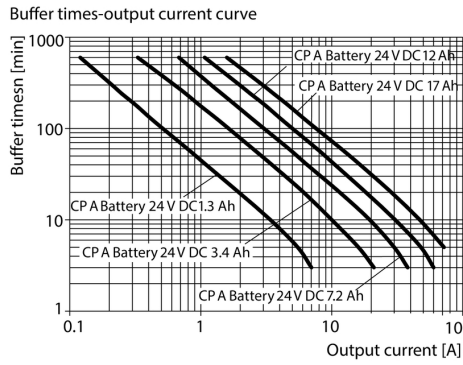
Technical data**Downloads**

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Operating instructions

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Drawings



Buffer Time