

**ConnectPower  
CP A BATTERY 24V DC17AH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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 DC17AH
Order No.	<a href="#">1251110000</a>
Version	Battery
GTIN (EAN)	4050118043136
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	242 mm	Width (inches)	9.528 inch
Height	178 mm	Height (inches)	7.008 inch
Depth	160 mm	Depth (inches)	6.299 inch
Net weight	13,330 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		

**Operating interfaces and control inputs**

Temperature probe	NTC 100 kΩ
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**Input**

Charging current, max.	2.55 A	Nominal capacity	17 Ah
Rated input voltage	24 V DC		

**output**

Buffer time 10A	81 min	Buffer time 20A	34.2 min
Buffer time 40A	13.5 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 @ 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**

Class of protection	III, with no ground connection, for SELV
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**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 <sup>2</sup>	Conductor cross-section, rigid , max.	16 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.2 mm <sup>2</sup>	Tightening torque, max.	1.5 Nm
Tightening torque, min.	1.2 Nm	Wire connection cross section, flexible (input), max.	16 mm <sup>2</sup>

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**Technical data****Connection data (output)**

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , max.	16 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>
Conductor cross-section, rigid , max.	16 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.2 mm <sup>2</sup>
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 <sup>2</sup>
Wire connection cross-section, flexible (signal), min.	0.2 mm <sup>2</sup>	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 <sup>2</sup>	Wire cross-section, solid , min.	0.2 mm <sup>2</sup>

**Approvals**

Institute (cULus)



Certificate no. (cULus)

E354601

**Classifications**

ETIM 6.0	EC002850	eClass 6.2	27-04-06-03
eClass 7.1	27-04-06-03	eClass 8.1	27-04-06-03
eClass 9.0	27-04-06-03	eClass 9.1	27-04-92-01

**Approvals**

Approvals

**Downloads**

Brochure/Catalogue	<a href="#">CAT 4.3 ELECTR 15/16 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>