

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

Klingenbergstraße 16

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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.	1251110000
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 Kg		

Temperatures

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 mm²	Conductor cross-section, rigid , max.	16 mm²
Conductor cross-section, rigid , min.	0.2 mm²	Tightening torque, max.	1.5 Nm
Tightening torque, min.	1.2 Nm	Wire connection cross section, flexible (input), max.	16 mm²

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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 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 (cULus)



Certificate no. (cULus)

E349959

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

Engineering Data	EPLAN, WSCAD
User Documentation	Operating instructions