

ConnectPower CP A BATTERY 24V DC7.2AH

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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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 DC7.2AH
Order No.	1251080000
Version	Battery
GTIN (EAN)	4050118043112
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	162 mm	Width (inches)	6.378 inch
Height	155 mm	Height (inches)	6.102 inch
Depth	134 mm	Depth (inches)	5.276 inch
Net weight	3,842 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.	1.08 A	Nominal capacity	7.2 Ah
Rated input voltage	24 V DC		

output

Buffer time 10A	26.5 min	Buffer time 20A	11.5 min
Buffer time 40A	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	9...12 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 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

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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 (GERMLLOYD)		Certificate No. (GERMLLOYD)	
			61934-14
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	
ROHS	Conform

Downloads

Engineering Data	EPLAN, WSCAD
User Documentation	Operating instructions