

ConnectPower CP A BATTERY 24V DC3.4AH

Weidmüller Interface GmbH & Co. KG
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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 DC3.4AH
Order No.	1251070000
Version	Battery
GTIN (EAN)	4050118043105
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	108 mm	Width (inches)	4.252 inch
Height	144 mm	Height (inches)	5.669 inch
Depth	137 mm	Depth (inches)	5.394 inch
Net weight	10 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.	0.51 A	Nominal capacity	3.4 Ah
Rated input voltage	24 V DC		

output

Buffer time 10A	11.3 min	Buffer time 20A	5 min
Output current, max.	25 A	Overload and short circuit protection	25 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	Clip-in foot	metal
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 / 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.	10	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , min.	0.5 mm ²	Conductor cross-section, rigid , max.	6 mm ²
Conductor cross-section, rigid , min.	0.2 mm ²	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 Nm	Wire connection cross section, flexible (input), max.	6 mm ²

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Technical data



Connection data (output)

Conductor cross-section, AWG/kcmil , max.	10	Conductor cross-section, AWG/kcmil , min.	22
Conductor cross-section, flexible , max.	6 mm ²	Conductor cross-section, flexible , min.	0.5 mm ²
Conductor cross-section, rigid , max.	6 mm ²	Conductor cross-section, rigid , min.	0.2 mm ²
Number of terminals	2 (+ / -)	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 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