

## CP-BBU 115-230VAC / 24VDC

Weidmüller Interfaces GmbH & Co. KG

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The UPS control unit together with the associated battery module and the power supply unit form a complete DC UPS system. In normal operation, the input voltage from the UPS control unit is connected directly to the load. In the event of a mains failure (drop of the DC input voltage) the system switches instantly to battery operation.

Once the mains supply has been restored, the system switches back to normal operation and the battery is fully recharged by the integrated charger.

Three relay outputs, as well as three additional active transistor outputs and a control input to lock battery operation, provide full remote control by means of SPS or DCS control. Numerous modes of operation and an easy-to-use status display provide rapid fault diagnosis and optimum customisation to the application.

### General ordering data

Version	UPS control unit, 24 V
Order No.	<a href="#">9916280024</a>
Type	CP-BBU 115-230VAC / 24VDC
GTIN (EAN)	4032248217878
Qty.	1 pc(s).
Available until	2014-12-31
Alternative product	<a href="#">1370050010</a>

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

Depth	161 mm	Depth (inches)	6.339 inch
Height	127.5 mm	Height (inches)	5.02 inch
Width	72.5 mm	Width (inches)	2.854 inch
Net weight	1,150 g		

**Temperatures**

Storage temperature	-20 °C...85 °C	Humidity at storage temperature	20 to 90%
Operating temperature	-20 °C...50 °C	Humidity at operating temperature	20 to 85% RH without condensation

**Input**

Connection range	AWG26-12 (0.1-4.0 mm <sup>2</sup> )	Input current	1 A @ 115 V AC; 0.6 A @ 230 V AC
Input frequency	50/ 60 Hz	Input fuse	2 A time-lag fuse (internal)
Input voltage (voltage mode input)	85...265 V AC; 120...300 V DC. typ. 115...230 V AC ±10%	Inrush Current Limitation	Thermistor
Surge protection	Varistor	Wire connection method	Screw connection

**Output**

Battery charging current	2 A	Battery voltage	27.3 V
Connection range	AWG26-12 (0.1-4.0 mm <sup>2</sup> )	Control at input voltage	0.2%
Mains failure bridge-over time for 115 V AC	24 ms	Mains failure bridge-over time for 230 V AC	190 ms
Max. residual ripple	< 50 mV <sub>eff</sub>	Output current	max. 15 A / max. 9.0 A for the power supply unit
Output power	360 W	Output voltage type	DC
Wire connection method	Screw connection		

**General data**

Building Width	72.5 mm	Building height	161 mm
Degree of efficiency at max. load	72%	Depth	127.5 mm
EMC standards	EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3	Low Voltage Directive	73/ 23/ EWG
Operating temperature	-20 °C...50 °C	Protection degree	IP20
Standards	DIN EN 50178, DIN EN 60950, IEC950	Status indication	Green LED (full charge): battery voltage > 29.5 V DC, Yellow LED (low battery): battery voltage < 22 V DC, Yellow LED (charging): BBU is loading battery, Red LED (error): no AC input voltage, Red LED (reversed battery): battery poles are reversed, LED red (battery open): no battery is connected
Switching frequency	100 kHz	Weight	950 g

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20 to 90%

1.5 kV

0.5 kV

**Insulation coordination**

Humidity at operating temperature	20 to 85% RH without condensation	Humidity at storage temperature	20 to 90%
electrical isolation, I/O rail	3 kV	electrical isolation, input-earth	1.5 kV
electrical isolation, input-output	3 kV	electrical isolation, output-earth	0.5 kV

**Signalling**

Status indication	Green LED (full charge): battery voltage > 29.5 V DC, Yellow LED (low battery): battery voltage < 22 V DC, Yellow LED (charging): BBU is loading battery, Red LED (error): no AC input voltage, Red LED (reversed battery): battery poles are reversed, LED red (battery open): no battery is connected
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**Approbations**

Certificate No. (CSA)	200039-1196635	Certificate no. (cULus)	E196651
Institute (CSA)	CSA	Institute (cULus)	CULUS

**Classifications**

ETIM 6.0	EC002850	ETIM 7.0	EC002850
ETIM 8.0	EC002850	ECLASS 9.0	27-04-06-92
ECLASS 9.1	27-04-92-01	ECLASS 10.0	27-04-06-92
ECLASS 11.0	27-04-06-92	ECLASS 12.0	27-04-06-92

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E196651

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ECC1628_02_09.pdf</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings****Electric symbol**