

ConnectPower CP-BBU 115-230VAC / 24VDC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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

Order No.	9916280024
Type	CP-BBU 115-230VAC / 24VDC
Version	UPS control unit, 24 V
GTIN (EAN)	4032248217878
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	72.5 mm	Height	127.5 mm
Depth	161 mm	Weight	950 g
Net weight	1,150 g		

Temperatures

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

Input

Connection range	AWG26-12 (0.1-4.0 mm ²)	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%	Surge protection	Varistor
Turn-on current limit	Thermistor	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 ²)	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 _{eff}	Output current	Max. 15 A / max 9.0 A for power supply unit
Output power	360 W	Output voltage	24 V
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	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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Technical data**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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Approvals

Institute (CSA)		Certificate No. (CSA)	200039-1753619CB
Institute (cULus)		Certificate no. (cULus)	E196651VOL2SEC11

Classifications

ETIM 2.0	EC001039	ETIM 3.0	EC001039
UNSPSC	30-21-18-01	eClass 4.1	27-24-04-10
eClass 5.1	27-04-90-02	eClass 6.2	27-04-90-04
eClass 7.1	27-04-90-02		

Approvals

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ROHS Conform

DownloadsDeclaration of Conformity [ECC1628_02_09.pdf](#)

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Drawings

Electric symbol

