

**ConnectPower
CP-BBU 115-230VAC / 24VDC**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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UPS control modules provide the installation with a 12/24 V DC supply voltage within seconds should the power supply fail. Professional signalling guarantees the evaluation of all relevant signal conditions directly on site: the battery module performs the complete management of the external lead-acid accumulators. A constant charging and discharging routine guarantees a long service life for the batteries.

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

Length	161 mm	Width	72.5 mm
Height	127.5 mm	Weight	950 g

Temperatures

Operating temperature	-20 °C...+50 °C	Storage temperature	-20 °C...+85 °C
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Input

Conductor connection system	Screw connection	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

output

Battery charging current	2 A	Battery voltage	27.3 V
Conductor connection system	Screw connection	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 voltage	24 V DC
output power	360 W		

General data

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

Insulation coordination

Humidity at operating temperature	20 - 85% RH without condensation	Humidity at storage temperature	20 to 90%
Protection degree	IP 20	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		

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Technical data**Classifications**

ETIM 2.0	EC001039	ETIM 3.0	EC001039
ETIM 4.0	EC002541	UNSPSC	30-21-18-01
eClass 4.1	27-24-04-10	eClass 5.1	27-04-90-02
eClass 6.0	EC27049201		

Approvals

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Drawings**Electric symbol**