



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ConnectPower
CP-BBU 115-230VAC / 24VDC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



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

Approvals



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Drawings

Electric symbol

