



# USB-C CHARGER DATASHEET

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Current  DS



by Schneider Electric

# About

This 3 port USB-C charger, designed for office and home applications, is the compact solution to charge multiple devices such laptops, phones at 48V.

# Applications

- Office
- Homes

# Features

- USB power delivery up to 100W per port.
- Fast data communication (1Gbps).
- Ethernet over USB-C connection
- Droop output power based on input voltage.
- Fast output disconnect switch against short circuit.
- Operation LED indicators.
- SELV System
- Mosaic format

# USB-C 3x100W

## Logistics data

Specification item	Value
Product reference	DCN-20V-3x100W-1P-48V-OAUX2NET1USBC1

## Electrical input data

Specification item	Value	Unit	Condition
Nominal input voltage	48	Vdc	Nominal working
Max. input voltage	54	Vdc	Nominal working
Min. input voltage	42	Vdc	Nominal working
Nominal input power	300	W	@Full output power
Max input power	300	W	@Full output power
Efficiency	97.3	%	100% output/port
Standby power	0.12	W	@ No output

## Electrical output data

Specification item	Value	Unit	Condition
Min output voltage	5	V dc	
Nominal output voltage	5	V dc	
Max output voltage	20	V dc	
Nominal output current	3	A dc	@Total Load < 300W
Max output current	5	A dc	@Total Load < 300W
Ripple – Full Load	150	mV AC	
Ripple – No Load	100	mV AC	
Overcurrent Protection	5.5	A dc	

## Electrical connections

Specification item	Value	Unit	Condition
Output USB-C 1	USB-C 3.2		USB-C port
Output USB-C 2	USB-C 3.2		USB-C port
Output USB-C 3	USB-C 3.2		USB-C port
Ethernet	RJ45		Fast Data
Power Cable Dimensions	1.5	mm <sup>2</sup>	

## Physical Data

Specification item	Value	Unit
Height	42.8	mm
Width	45	mm
Depth	90	mm
Weight	210	grams

## Environmental Conditions

Specification item	Value	Unit	Condition
Max ambient temperature	45	°C	Standby
Max ambient temperature 100%	30	°C	Full power w/o derating
Min ambient temperature	-10	°C	Standby
Case temperature (T-Life)		°C	
Maximal case temperature		°C	
Storage temperature	-10 to +60	°C	
Max Humidity	92	%	
Nominal Humidity	70	%	
Min Humidity	20	%	



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For more information, visit  
[www.dc.systems/applications/products](http://www.dc.systems/applications/products)

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