

ARTESYN DA45C SERIES

45 Watts USB PD 3.0



Advanced Energy's Artesyn new standard 45 W USB-PD 3.0 Type-C charging adapter series features small size, high efficiency and rapid charging capability. All models in the series comply with the USB-PD 3.0 standard and meets new European CoC v5 Tier 2 & US DoE Level VI energy saving requirements.

SPECIAL FEATURES

- Small size: 58 x 40.2 x 27 mm (excluding pins)
- Input range 100 – 240 Vac
- High average loading efficiency 88% min. @ 20 Vdc
- USB Type C connector output
- Operating temp range 0 °C to +40 °C
- Reinforced insulation: 3000 Vac rms
- Overvoltage protection
- Overtemperature protection
- Overcurrent protection
- Elegant enclosure ID design
- USB-PD 3.0 technology compliant
- European CoC v5 T2 & US DoE VI compliant
- One year warranty

SAFETY

- cUL/UL 62368-1, IEC/EN 62368-1
- CCC, FCC, NRCAN, PSE, CE

DATA SHEET

Total Power:

45 Watts

Input Voltage:

100 - 240 Vac

of Outputs:

Single

Output Voltage:

5 V, 9 V, 15V, and 20 Vdc
(Changeable)



ELECTRICAL SPECIFICATIONS

Input	
Input range	90 - 264 Vac (wide range)
Frequency	47 - 63 Hz
Input current	1.22 A max @ 90 Vac input, 20 Vdc full load
EMI/RFI	FCC Part 15 Class B, EN55032
Leakage current	100 μ A @ 250 Vac input
Output	
Voltage (single output)	5 V, 9 V, 15 V, 20 V (four voltage options)
Voltage regulation	\pm 5%
Maximum power	45 W
Hold-up time	10 msec min @ 115 Vac input, 20 Vdc full load
Overvoltage protection	Latching type, AC recycling is needed
Overcurrent protection	Current limit at > 100%, Hiccup mode
Overtemperature protection	Latching type, AC recycling is needed
Output connector	USB Type C

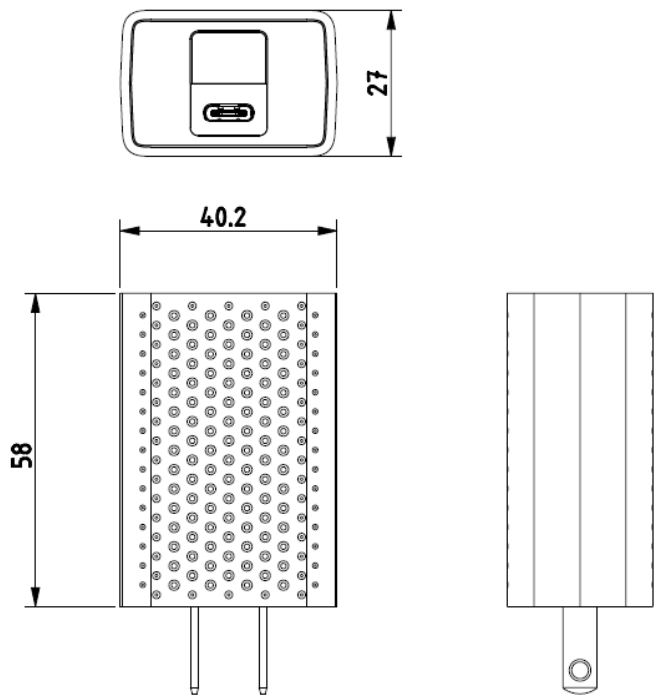
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-0 ° to +40 °C ambient
Storage temperature	-40 °C to +85 °C
Humidity	Operating; non-condensing 5% to 95% RH

ORDERING INFORMATION

Model Number	Ordering/Safety Model Number	AC Plug	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Regulation	Ripple P/P
DA45C-J3WUS	700-014340-0000	US	45 W	5.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				9.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				15.0 V	0 A	3.0 A	\pm 5%	\leq 600 mV
				20.0 V	0 A	2.25 A	\pm 5%	\leq 600 mV
DA45C-J3WCH	700-014340-0100	CH	45 W	5.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				9.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				15.0 V	0 A	3.0 A	\pm 5%	\leq 600 mV
				20.0 V	0 A	2.25 A	\pm 5%	\leq 600 mV
DA45C-J3WEU	700-014340-0200	EU	45 W	5.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				9.0 V	0 A	3.0 A	\pm 5%	\leq 500 mV
				15.0 V	0 A	3.0 A	\pm 5%	\leq 600 mV
				20.0 V	0 A	2.25 A	\pm 5%	\leq 600 mV

MECHANICAL DRAWINGS



AC PLUG CONFIGURATION FOR FIXED PLUG

U.S. 2-prong	US
China 2-prong	CH
Europe 2-prong	EU

NOTE:
· All dimensions in mm
· PSU weight is 85 grams nominal



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ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE

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