

Size: 1.73in x 1.38in x 3.43in
(44mm x 35mm x 87mm)

FEATURES

- 100-240VAC Input Range
- Regulated Output
- Low Ripple Noise
- USA, Japan, and Taiwan AC Plugs Available
- P.D. 3.0/QC 4.0+/QC 4.0
- Means of Protection: 2xMOPP
- Modified and Custom Designs Available
- Over Voltage, Short Circuit and Over Current Protection
- Safety Agency Requirements and EMI/EMS Certified
- IEC/EN/UL 62368-1 3rd Edition, EMC: IEC60601-1-2 (Edition 4.1), and IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2) Safety Approvals

DESCRIPTION

The WMCTN100 series of AC/DC wall mount power supplies offers 15-100 watts of output power in a 1.73" x 1.38" x 3.43" package. This series consists of single output models with an input range of 100-240VAC. Three types of AC plugs are available for this series: USA, Japan and Taiwan. Each model in this series has over voltage, short circuit, and over current protection, and has IEC/EN/UL 62368-1 3rd edition, EMC: IEC60601-1-2 (Edition 4.1), and IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2) safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Output Power
WMCTN100-200x	100-240VAC	5V	3A	15W
		9V	3A	27W
		12V	3A	36W
		15V	3A	45W
		20V	5A	100W

SPECIFICATIONS

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Line Frequency		50		60	Hz
Input Current		1.30		0.5	A
Input Protection		Internal Primary Current Fuse			
Configuration		U for US Plug/V for Changeable Plug			
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Load Regulation			±5		%
Transient (Dynamic) Response	50% Load Change	0.5			ms
Output Power		See Table			
Output Current		See Table			
Ripple & Noise	@Full Load		≤100		mVp-p
Hold Up Time	@Full Load		≥10		mS
Rise Time				50	mS
Start Up Time				3000	mS
PROTECTION					
Short Circuit Protection		Yes			
Over Current Protection		Yes			
Over Voltage Protection		Yes			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-20		40	°C
Storage Temperature		-20		80	°C
Relative Humidity	Operating	20		80	%
	Storage	10		90	%
Operating Altitude			5000		M
Cooling		Natural Convection Cooling			
MTBF (MIL-HDBK-217F)	Calculated @25°C by Telcordia SR-332		300000		Hours

SPECIFICATIONS

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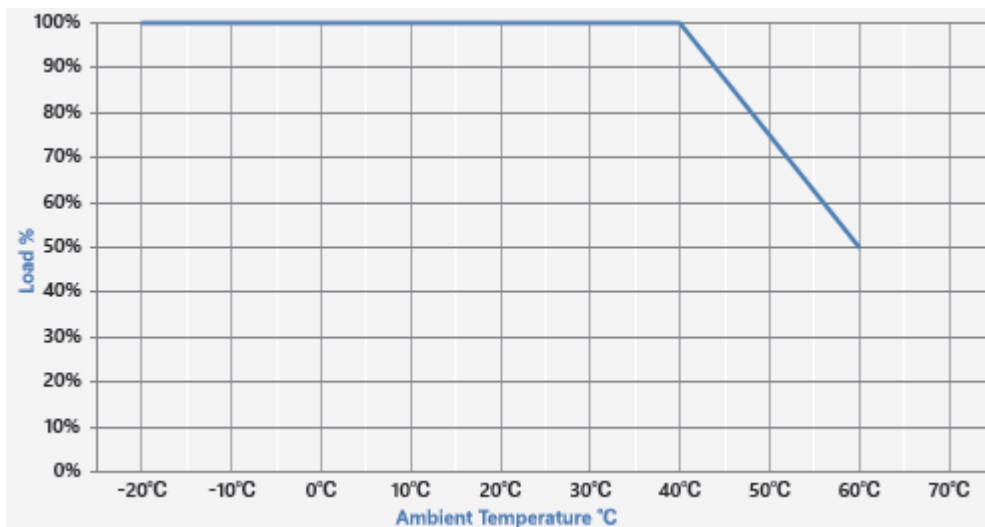
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency		DoE Level VI, ErP Stage 2, CoC Tier 2			
Topology		LLC			
Dielectric Withstand	Primary – Secondary		4000		VAC
Touch Current (Patient)				100	µA
Leakage Current					
PHYSICAL SPECIFICATIONS					
Weight		8.11oz (230g)			
Dimensions (L x W x H)		1.73in x 1.38in x 3.43in (44mm x 35mm x 87mm)			
SAFETY CHARACTERISTICS					
Safety Approvals ⁽²⁾		IEC/EN/UL 62368-1 3 rd Edition			
		IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)			
		EN55011			
EMC Standards		EN61000-3-2,3			
		EN61000-4-2,3,4,5,6,8,11			
		IEC 60601-1-2 (Edition 4.1)			

NOTES

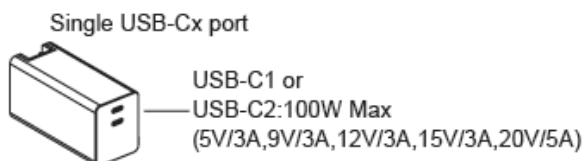
1. "x" in model number indicates plug type. "x" can either be "U" for US/changeable plug or "V" for changeable plug.
2. Built in USB-PD chip dynamically negotiates the optimal voltage and current to deliver safe and efficient energy transfer. All five output voltages can be served by one model.
3. This product is Listed to applicable standards and requirements by UL

**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVE



USB PORTS



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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