
Size: 2.11in x 1.24in x 2.28in
(53.5mm x 31.5mm x 58mm)

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 and IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2) Safety Approvals

DESCRIPTION

The WMCTN65 series of AC/DC wall mount power supplies offers 45-65 watts of output power in a 2.11" x 1.24" x 2.28" 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 safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Output Power
WMCTN45-200x	100-240VAC	5V	3A	15W
		9V	3A	27W
		12V	3A	36W
		15V	3A	45W
		20V	2.25A	45W
WMCTN65-200x	100-240VAC	5V	3A	15W
		9V	3A	27W
		12V	3A	36W
		15V	3A	45W
		20V	3.25A	65W

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	45W	1		0.5	A		
	65W	1.6		0.7			
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		≤200		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		

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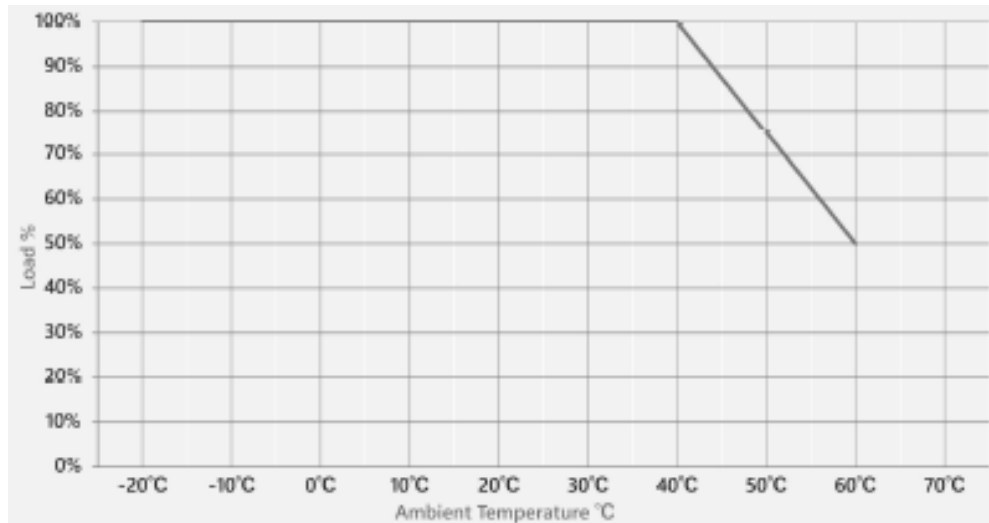
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency		DoE Level VI, ErP Stage 2, CoC Tier 2			
Topology		Switching Flyback			
Dielectric Withstand	Primary – Secondary		4000		VAC
Touch Current (Patient)				100	µA
Leakage Current					
PHYSICAL SPECIFICATIONS					
Weight	45W	4.41oz (125g)			
	65W	4.59oz (130g)			
Dimensions (L x W x H)		2.11in x 1.24in x 2.28in (53.5mm x 31.5mm x 58mm)			
SAFETY CHARACTERISTICS					
Safety Approvals ⁽²⁾		IEC/EN/UL 62368-1 3 rd Edition			
		IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)			
EMC Standards		EN55011			
		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



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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