Wall Industries, Inc.

FEATURES

- Splash Proof
- 3 Year Warranty
- Class I Insulation
- IEC 320-C14 Input Inlet
- Optional Output Connectors
- CEC and Energy Star Compliant
- Output Voltage Protection (Crowbar Design)
- Wide Input Voltage 90 to 264VAC, 47 to 63Hz
- Output Voltages Available from 5VDC to 36VDC
- Input Surge Current, Over Voltage, and Over Load Protection





	ased on 25°C, Nominal Input Voltage, and Maximum Output Current eserve the right to change specifications based on technological adva		rwise noted	l.	
SPECIFICATION	TEST CONDITIONS	Min	Nom	Max	Unit
INPUT (V _{in})					
Input Voltage		90		264	VAC
Input Frequency				63	Hz
Input Current (Low Line)	lo = Full Load, Vin = 115VAC			1.62	Α
Input Current (High Line)				0.72	Α
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		12	15	Α
Inrush Current (High Line)	lo = Full Load, 25°C, Cool Start, Vin = 230VAC		26	30	Α
Safety Ground Leakage Current	lo = Full Load, Vin = 240VAC		0.1	0.3	mA
Start-Up Time	lo = Full Load, Vin = 100VAC	0.3	1	2	S
			1		
Output Voltage Range		See Rating Chart		art	VDC
Load Regulation	Vin = 230VAC		3	7	%
Line Regulation	lo = Full Load		0.5	1	%
Output Power	Vin = 90 to 264VAC	0		63	W
Output Current Range		See Rating Chart		Α	
Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%
Transient Response	Io = Full Load to Half Load, Vin = 100VAC			4	ms
Hold-Up Time	lo = Full Load, Vin = 110VAC	16			ms
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
PROTECTION				1	
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL				1	
Efficiency	lo = Full Load, Vin = 230VAC	77	85	88	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	5600			VDC
Dielectric Withstanding Voltage For Primary to Ground	Primary to Ground	2800			VDC
Isolation Resistance	Test Voltage = 2100VDC	50			MΩ
ENVIRONMENTAL					
Operating Temperature	Derate linearly from 100% Load at 50°C to 50% load at 70°C	0	50	+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity		5		95	%
MTBF			100,000		hours
PHYSICAL					
Weight		Approximately 510 ~ 560		gram	
Dimensions		5.75(L) x 2.99(W) x 1.69(H)		inche	
Warranty			3		years
SAFETY					
EMI Requirements for CISPR-11	Vin = 220VAC	В			Class
EMI Requirements for FCC PART-18	Vin = 110VAC	В			Class

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Rev. A



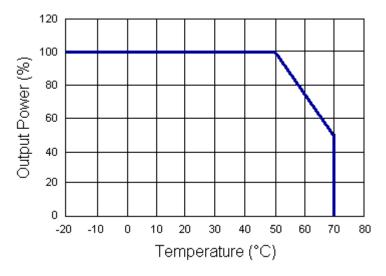
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Output Voltage	Max. Output Current	Total Regulation ⁽³⁾	Max. Output Power
DTMPU63-102	5 VDC	9A	7%	45W
DTMPU63-103	7 VDC	7.85A	7%	55W
DTMPU63-104	9 VDC	6.44A	5%	58W
*DTMPU63-105	12 VDC	5.25A	5%	63W
*DTMPU63-106	15 VDC	4.20A	5%	63W
*DTMPU63-107	18 VDC	3.50A	5%	63W
*DTMPU63-108	24 VDC	2.62A	3%	63W
*DTMPU63-109	30 VDC	2.10A	3%	63W
*DTMPU63-110	36 VDC	1.75A	3%	63W

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NOTES

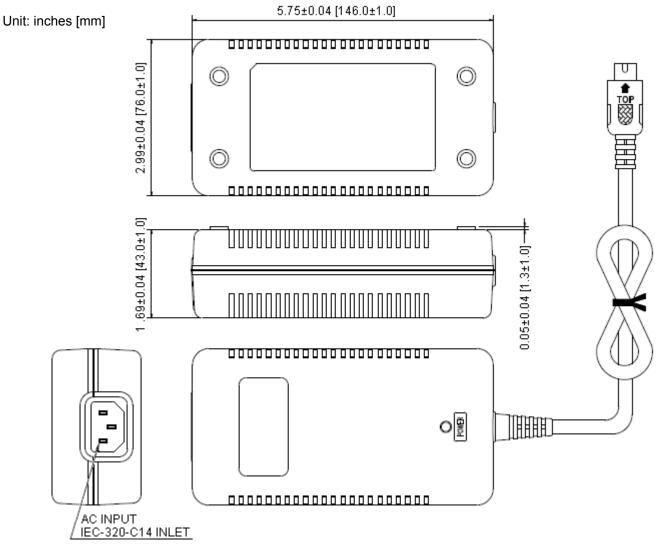
- 1. The asterisk " * " next to the model number indicates CEC level IV.
- 2. The models with output voltages under 15VDC have been approved by TUV/PSE and models with output voltages from 15VDC~30VDC have been approved by JET/PSE.
- Models DTMPU63-102~103 need to use AWG#16/5C/4FT output cable in order to meet the total regulation. Models DTMPU63-104~105 need to use AWG#16/2C/4FT output cable in order to meet the total regulation. Models DTMPU63-106~107 need to use AWG#18/2C/4FT output cable in order to meet the total regulation. Models DTMPU63-108~110 need to use AWG#18/2C/6FT output cable in order to meet the total regulation. The regulation and efficiency will change if a different output cable is used.
- 4. Optional output connectors are available (see "DC Output Plug Selector List" link located at the bottom of the "Desktop" category page).



DERATING CURVE



MECHANICAL DRAWING



Rev. A