

**FEATURES**

- Splash Proof
- RoHS Compliant
- 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



**SPECIFICATIONS: DTMPU63 Series**

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	Nom	Max	Unit
<b>INPUT (V<sub>in</sub>)</b>					
Input Voltage		90		264	VAC
Input Frequency		47		63	Hz
Input Current (Low Line)	I <sub>o</sub> = Full Load, V <sub>in</sub> = 115VAC			1.62	A
Input Current (High Line)	I <sub>o</sub> = Full Load, V <sub>in</sub> = 230VAC			0.72	A
Inrush Current (Low Line)	I <sub>o</sub> = Full Load, 25°C, Cool Start, V <sub>in</sub> = 115VAC		12	15	A
Inrush Current (High Line)	I <sub>o</sub> = Full Load, 25°C, Cool Start, V <sub>in</sub> = 230VAC		26	30	A
Safety Ground Leakage Current	I <sub>o</sub> = Full Load, V <sub>in</sub> = 240VAC		0.1	0.3	mA
Start-Up Time	I <sub>o</sub> = Full Load, V <sub>in</sub> = 100VAC	0.3	1	2	s
<b>OUTPUT (V<sub>o</sub>)</b>					
Output Voltage Range		See Rating Chart			VDC
Load Regulation	V <sub>in</sub> = 230VAC		3	7	%
Line Regulation	I <sub>o</sub> = Full Load		0.5	1	%
Output Power	V <sub>in</sub> = 90 to 264VAC	0		63	W
Output Current Range		See Rating Chart			A
Ripple & Noise (peak to peak)	Full Load, V <sub>in</sub> = 90VAC		0.5	1	%
Transient Response	I <sub>o</sub> = Full Load to Half Load, V <sub>in</sub> = 100VAC			4	ms
Hold-Up Time	I <sub>o</sub> = Full Load, V <sub>in</sub> = 110VAC	16			ms
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
<b>PROTECTION</b>					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
<b>GENERAL</b>					
Efficiency	I <sub>o</sub> = Full Load, V <sub>in</sub> = 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
<b>ENVIRONMENTAL</b>					
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
<b>PHYSICAL</b>					
Weight		Approximately 510 ~ 560			grams
Dimensions		5.75(L) x 2.99(W) x 1.69(H)			inches
<b>SAFETY</b>					
EMI Requirements for CISPR-11	V <sub>in</sub> = 220VAC	B			Class
EMI Requirements for FCC PART-18	V <sub>in</sub> = 110VAC	B			Class

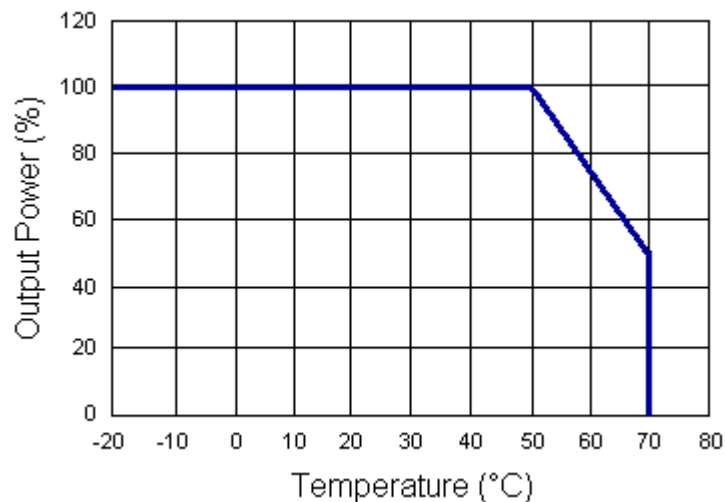
**MODEL SELECTION TABLE**

Model Number	Output Voltage	Max. Output Current	Total Regulation <sup>(3)</sup>	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

**NOTES**

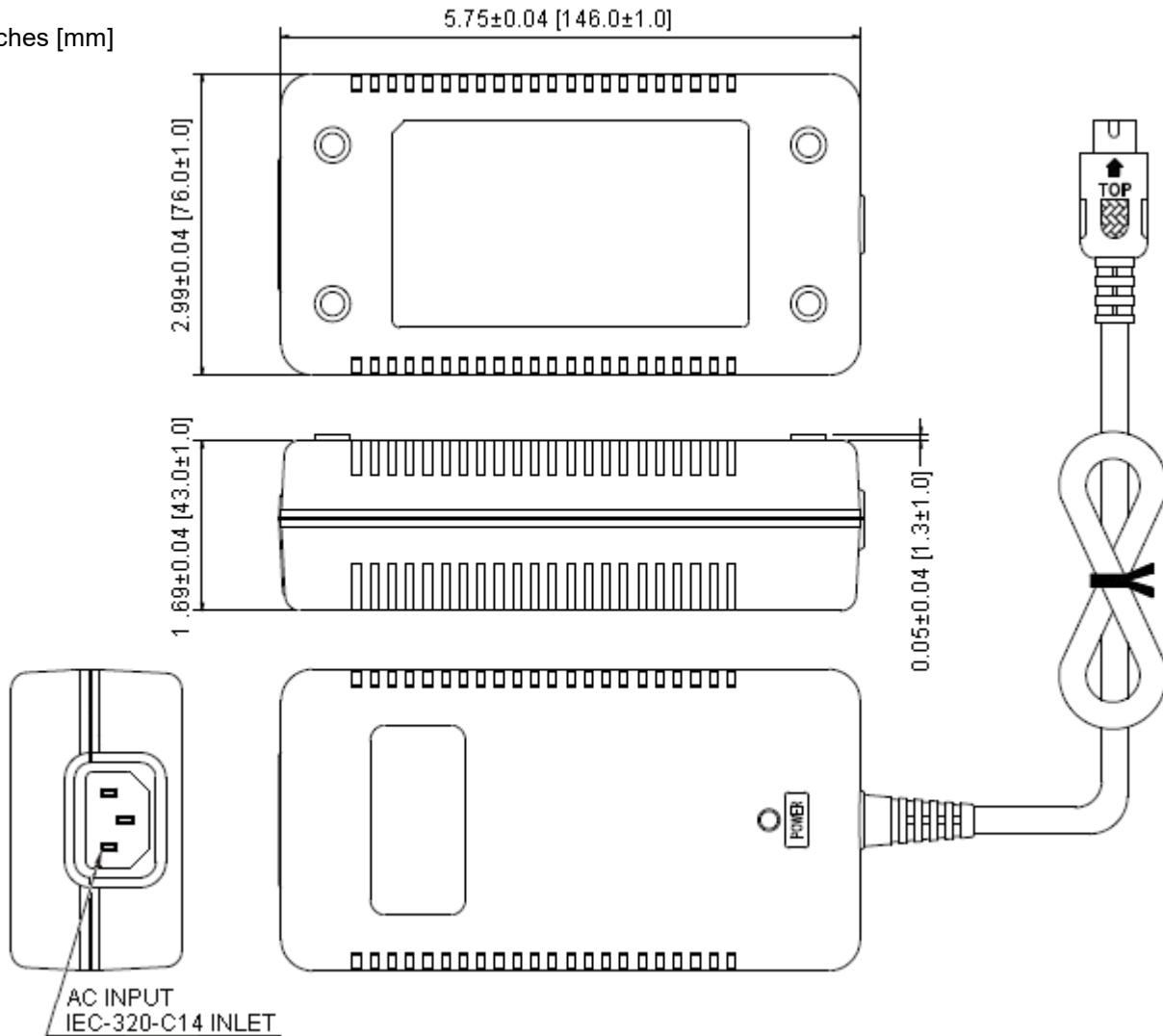
1. The asterisk “ \* ” next to the model number indicates CEC level IV.
2. The models with output voltages under 15VDC have been approved by TUV/PSE and models with output voltages from 15VDC~30VDC have been approved by JET/PSE.
3. Models DTMPU63-102~103 need to use AWG#16/5C/4FT output cable in order 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).

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

**DERATING CURVE**

### MECHANICAL DRAWING

Unit: inches [mm]





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## 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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