

FEATURES

- Splash Proof
- 100% Burn-in
- Class I Insulation
- IEC-320-C14 Input Inlet
- Altitude: 0 10,000 Feet
- CEC and Energy Star Compliant
- Optional Output Connectors Available
- Over Voltage and Over Load Protection
- Approved as Limited Power Source (LPS)
- Over Voltage Protection (Crowbar Design)
- -20°C ~ +70°C Operating Temperature Range
- Wide Input Voltage Range: 90 to 264VAC, 47~63Hz

DESCRIPTION



The DTIPU63 series of AC/DC desktop switching mode power supplies provide up to 63 watts of continuous output power. All models have a single output, universal input voltage range, and an operating temperature range of -20°C ~ +70°C. These supplies are also protected against over voltage and over load conditions. All supplies are also UL 94V-1 compliant and include an IEC-320-C14 input connector for worldwide applications. All models meet FCC-Part-15 class B and CISPR-22 class B emission limits and are designed to comply with UL/c-UL (UL 60950-1), TUV/GS (EN 60950-1), and new CE requirements. These supplies are CEC and Energy Star compliant as well as 100% burn-in tested.

Start/up Time Io = Full Load, Vin = 100VAC 0.3 1 2 s OUTPUT (V ₀)	SPECIFICATIONS: DTIPU63	Series					
SPEC(FICATION TEST CONDITIONS Min Nom Max Un Operating Voltage Range 90 264 VA Input Frequency 47 63 Hz Input Gurrent (Low Line) Io = Fuil Load, Vin = 115VAC 47 63 Hz Input Gurrent (Low Line) Io = Fuil Load, ZS°C, Cool Start, Vin = 115VAC 12 15 A Inrush Current (Low Line) Io = Fuil Load, Vin = 230VAC 26 30 A Safety Ground Leakage Current Io = Fuil Load, Vin = 240VAC 26 30 A Safety Ground Leakage Current Io = Fuil Load, Vin = 100VAC 0.3 1 2 Is Output Voltage Io = Fuil Load, Vin = 230VAC See Rating Chart VD VD Load Regulation Vin = 230VAC See Rating Chart VD VD Load Regulation Vin = 90 to 264VAC 0 0.5 1 % Output Voltage Io = Fuil Load, Vin = 100VAC 0.5 1 % Min Output Power Vin = 90 to 264VAC 0				ise noted.			
INPUT (Va) Operating Voltage Range 90 264 VX Input Current (Low Line) 1o = Full Load, Vin = 115VAC 47 63 HL Input Current (Line) 1o = Full Load, Vin = 230VAC 116 A Innush Current (Line) 1o = Full Load, ZF C, Cool Start, Vin = 115VAC 12 15 A Innush Current (High Line) 1o = Full Load, ZF C, Cool Start, Vin = 230VAC 28 30 A Safety Ground Leakage Current 1o = Full Load, Vin = 240VAC 0.5 0.75 mx Start-Up Time 1o = Full Load, Vin = 240VAC 0.3 1 2 s Output Voltage Vin = 230VAC 0.5 0.75 mx Load Regulation Vin = 230VAC 0 63 W Output Voltage Vin = 230VAC 0 63 W Output Power Vin = 90 to 264VAC 0 63 W Output Current Full Load, Vin = 90VAC 16 mm m Hold-Up Time Io = Full Load, Vin = 100VAC 16 mm mm <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
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Output Power Vin = 90 to 264VAC 0 63 W Output Current Image: Chart Mark Stress Str					-		
Output CurrentSee Rating ChartARipple & Noise (peak to peak)Full Load, Vin = 90VAC0.514Ripple & Noise (peak to peak)Full Load to Half Load, Vin = 100VAC1644Hold-Up TimeIo = Full Load, Vin = 100VAC1644Hold-Up TimeIo = Full Load, Vin = 100VAC1644PROTECTION-0.04+0.04%/%/Over Voltage Protection112132%/Over Current Protection110150%GENERALEfficiencyIo = Full Load, Vin = 230VAC848891Dielectric Withstanding Voltage For Primary to SecondaryPrimary to Secondary4242VDDielectric Withstanding Voltage For Primary to GroundPrimary to Ground2121VDIsolation ResistanceTest Voltage = 500VDC50MdMdNo Load Power ConsumptionNo load, Vin=240VAC0.10.5WOperating TemperatureDerates linearly from 100% Load at 40°C to 50% load at 70°C-20+70°CStorage TemperatureDerates linearly from 100% Load at 40°C to 50% load at 70°C-20+70°CBrightMTBFOperating Temperature at 25°C, Calculated per MIL-HDBK-217F130,000 hoursPHYSICALMaranty4.65 x 2.05 x 1.36 inches118.0 x 52.0 x 34.5 mmWarantyQuears4.65 x 2.05 x 34.5 mm118.0 x 52.0 x 34.5 mm				0.5			
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SAFETÝ	Warranty						
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				1		Class	

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Rev A

Model Number	Input Current	Preset Voltage	Output Voltage Range	Output Current	Total Regulation ⁽²⁾	Output Power
DTIPU63-105	90 ~ 264VAC	14 VDC	12 ~ 14 VDC	4.75 ~ 4.07 A	5%	57W
DTIPU63-106	90 ~ 264VAC	16 VDC	15 ~ 16 VDC	4.20 ~ 3.94 A	5%	63W
DTIPU63-107	90 ~ 264VAC	21 VDC	16 ~ 21 VDC	3.94 ~ 3.00 A	5%	63W
DTIPU63-108	90 ~ 264VAC	27 VDC	21 ~ 27 VDC	3.00 ~ 2.33 A	5%	63W
DTIPU63-109	90 ~ 264VAC	33 VDC	27 ~ 33 VDC	2.33 ~ 1.91 A	5%	63W
DTIPU63-110	90 ~ 264VAC	40 VDC	33 ~ 40 VDC	1.91 ~ 1.58 A	3%	63W
DTIPU63-111	90 ~ 264VAC	50 VDC	40 ~ 50 VDC	1.58 ~ 1.26 A	3%	63W

OUTPUT VOLTAGE / CURRENT RATING CHART

NOTES

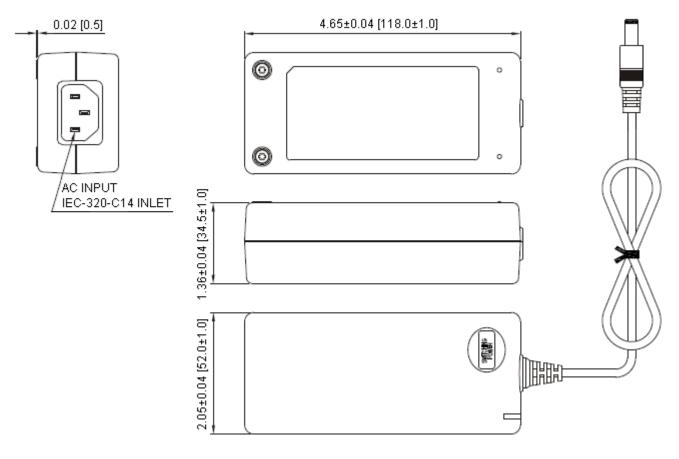
1. For single output models the output voltage is specified as a range (Ex: 40 ~ 50VDC); the preset voltage will be set as standard models if nothing different is requested. Please contact factory for ordering details.

2. The DTIPU63-105 needs to use AWG#16/4FT output cable in order to meet the specified total regulation.

3. Optional output connectors are available. Please call factory for ordering details.

MECHANICAL DRAWING

Unit: inches [mm]



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