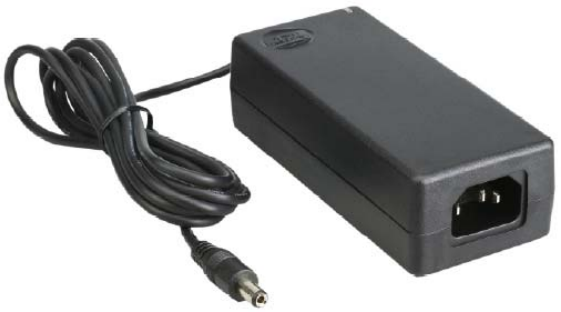
FEATURES

- 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.

SPECIFICATIONS: *DTIPU63 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
INPUT (V_{in})					
Operating Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Input Current (Low Line)	Io = Full Load, Vin = 115VAC			1.6	A
Input Current (High Line)	Io = Full Load, Vin = 230VAC			0.7	A
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		12	15	A
Inrush Current (High Line)	Io = Full Load, 25°C, Cool Start, Vin = 230VAC		26	30	A
Safety Ground Leakage Current	Io = Full Load, Vin = 240VAC		0.5	0.75	mA
Start-Up Time	Io = Full Load, Vin = 100VAC	0.3	1	2	s
OUTPUT (V_o)					
Output Voltage		See Rating Chart			VDC
Load Regulation	Vin = 230VAC		3	5	%
Line Regulation	Io = Full Load		0.5	1	%
Output Power	Vin = 90 to 264VAC	0		63	W
Output Current		See Rating Chart			A
Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%
Transient Response Time	Io = Full Load to Half Load, Vin = 100VAC			4	ms
Hold-Up Time	Io = Full Load, Vin = 100VAC	16			ms
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
PROTECTION					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL					
Efficiency	Io = Full Load, Vin = 230VAC	84	88	91	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	4242			VDC
Dielectric Withstanding Voltage For Primary to Ground	Primary to Ground	2121			VDC
Isolation Resistance	Test Voltage = 500VDC	50			MΩ
No Load Power Consumption	No load, Vin=240VAC	0.1		0.5	W
ENVIRONMENTAL					
Operating Temperature	Derates linearly from 100% Load at 40°C to 50% load at 70°C	-20		+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity		5		95	%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F	130,000 hours			
PHYSICAL					
Weight		Approximately 340 grams			
Dimensions (L x W x H)		4.65 x 2.05 x 1.36 inches 118.0 x 52.0 x 34.5 mm			
Warranty		2 years			
SAFETY					
EMI Requirements for CISPR-22	Vin = 220VAC	B			Class
EMI Requirements for FCC PART-15	Vin = 110VAC	B			Class

OUTPUT VOLTAGE / CURRENT RATING CHART

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

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]