

FEATURES

- 2 Year Warranty
- Class I Insulation
- IEC-320-C14 Input Inlet
- Optional Output Connector
- CEC and Energy Star Compliance
- Power Consumption (No Load) < 0.5
- Wide Input Voltage 90 to 264VAC, 47~63Hz
- Output Voltage Protection (Crowbar Design)



SPECIFICATIONS: DTSPU68 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)	I _o = Full Load, V _{in} = 115VAC			1	A
Input Current (High Line)	I _o = Full Load, V _{in} = 230VAC			0.5	A
Inrush Current (Low Line)	I _o = Full Load, 25°C, Cool Start, V _{in} = 115VAC		12	15	A
Inrush Current (High Line)	I _o = Full Load, 25°C, Cool Start, V _{in} = 230VAC		26	30	A
Safety Ground Leakage Current	I _o = Full Load, V _{in} = 240VAC		0.5	0.75	mA
Start-Up Time	I _o = Full Load, V _{in} = 100VAC	0.3		0.5	s
OUTPUT (V _o)					
Output Voltage Range		See Rating Chart			VDC
Load Regulation	V _{in} = 230VAC		3	5	%
Line Regulation	I _o = Full Load		0.5	1	%
Output Power	V _{in} = 90 to 264VAC	0		60	W
Output Current Range		See Rating Chart			A
Ripple & Noise (peak to peak)	Full Load, V _{in} = 90VAC		0.5	1	%
Transient Response	I _o = Full Load to Half Load, V _{in} = 100VAC			4	ms
Hold-Up Time	I _o = Full Load, V _{in} = 110VAC	16			ms
PROTECTION					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL					
Efficiency	I _o = Full Load, V _{in} = 230VAC	84			%
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
ENVIRONMENTAL					
Operating Temperature	Derate linearly from 100% Load at 50°C to 50% load at 70°C	0		+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity		5		95	%
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
MTBF	Operating Temperature at 25°C, calculated per MIL-HDBK-217F	130,000			hours
PHYSICAL					
Weight		Approximately 275			grams
Dimensions		5.75 x 2.99 x 1.69			inches
Warranty		2			years
SAFETY					
EMI Requirements for CISPR-22	V _{in} = 220VAC	B			Class
EMI Requirements for FCC PART-15	V _{in} = 110VAC	B			Class

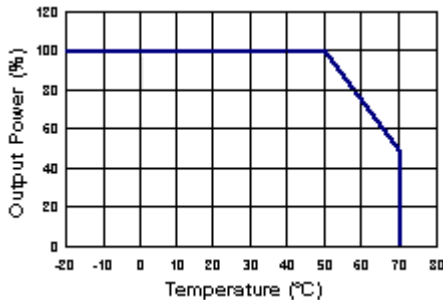
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Preset Voltage	Output Voltage Range	Output Current	Output Peak Current	Total Regulation ⁽¹⁾	Maximum Output Power
DTSPU68-105	11 VDC	11 ~ 13 VDC	5.00 A	6.66A	5%	80Wpk
DTSPU68-108	21 VDC	21 ~ 27 VDC	2.50 A	3.33A	5%	80Wpk

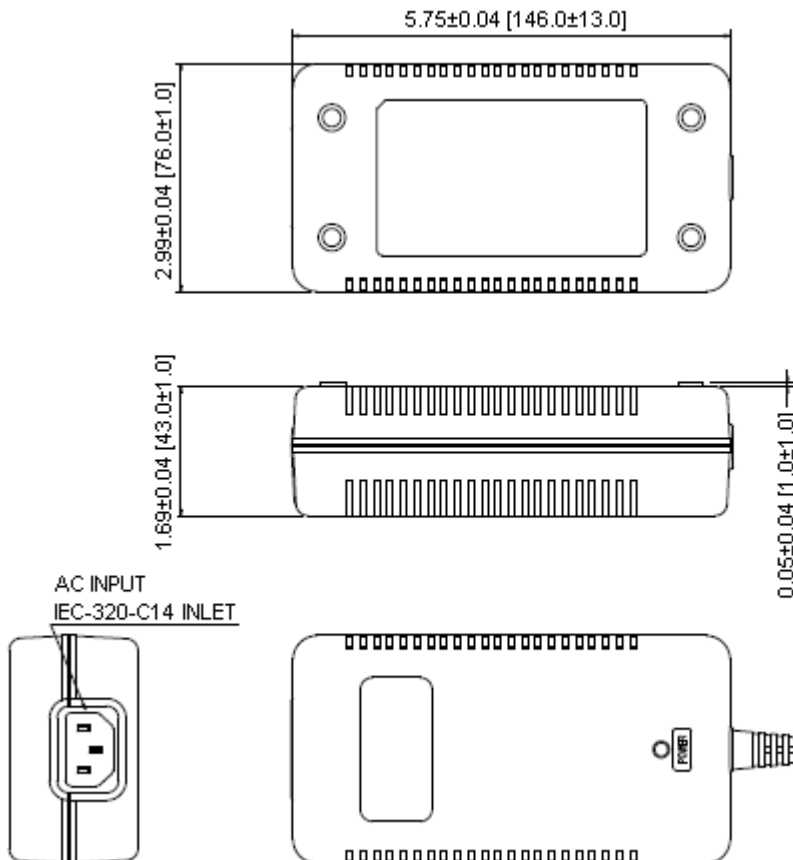
NOTES

1. To meet the total regulation specifications all models must use an AWG#18/4FT output cable. The regulation will change if the output cable is modified.
2. The output voltage is specified as a range (Ex: 21 ~ 27VDC); the preset voltage will be set as standard models if nothing different is requested. Please contact factory for ordering details.
3. 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



FEATURES

The over current protection apparatus in accordance with the present invention allows the power supply to output the undulated current.

