

FEATURES

- Splash Proof
- 2 Year Warranty
- Class I Insulation
- Energy Star Compliant
- IEC-320-C14 Input Inlet
- Power Factor Correction
- Optional Output Connector
- Wide Input Voltage 90 to 264VAC, 47~63Hz
- Output Voltage Protection (Crowbar Design)
- Output Voltage Available from 11VDC thru 48VDC
- Input Surge Current, Over Voltage, and Over Load Protection



SPECIFICATIONS: DTSPU80 Series					
<p>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.</p>					
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			1.07	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	1	2	s
OUTPUT (V_o)					
Output Voltage Range		See Rating Chart			VDC
Load Regulation	V _{in} = 230VAC		3	7	%
Line Regulation	I _o = Full Load		0.5	1	%
Output Power	V _{in} = 90 to 264VAC	0		80	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	80	83	88	%
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
Power Factor Correction	I _o = Full Load, V _{in} = 90~260VAC	0.95	0.97	1.0	
ENVIRONMENTAL					
Operating Temperature	Derate linearly from 100% Load at 40°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
PHYSICAL					
Weight		Approximately 600~700			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

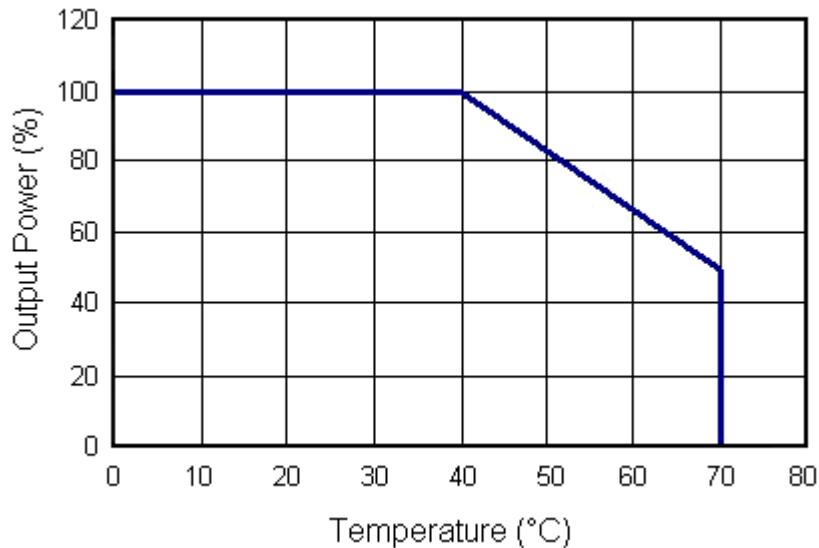
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Preset Voltage	Output Voltage Range	Output Current	Total Regulation	Maximum Output Power
*DTSPU80-105	11 VDC	11 ~ 13 VDC	7.27 ~ 6.15 A	5%	80W
*DTSPU80-106	13 VDC	13 ~ 16 VDC	6.15 ~ 5.00 A	5%	80W
*DTSPU80-107	16 VDC	16 ~ 21 VDC	5.00 ~ 3.80 A	4%	80W
*DTSPU80-108	21 VDC	21 ~ 27 VDC	3.80 ~ 2.96 A	3%	80W
*DTSPU80-109	27 VDC	27 ~ 33 VDC	2.96 ~ 2.42 A	2%	80W
DTSPU80-110	33 VDC	33 ~ 40 VDC	2.42 ~ 2.00 A	2%	80W
DTSPU80-111	40 VDC	40 ~ 48 VDC	2.00 ~ 1.66 A	2%	80W

NOTES

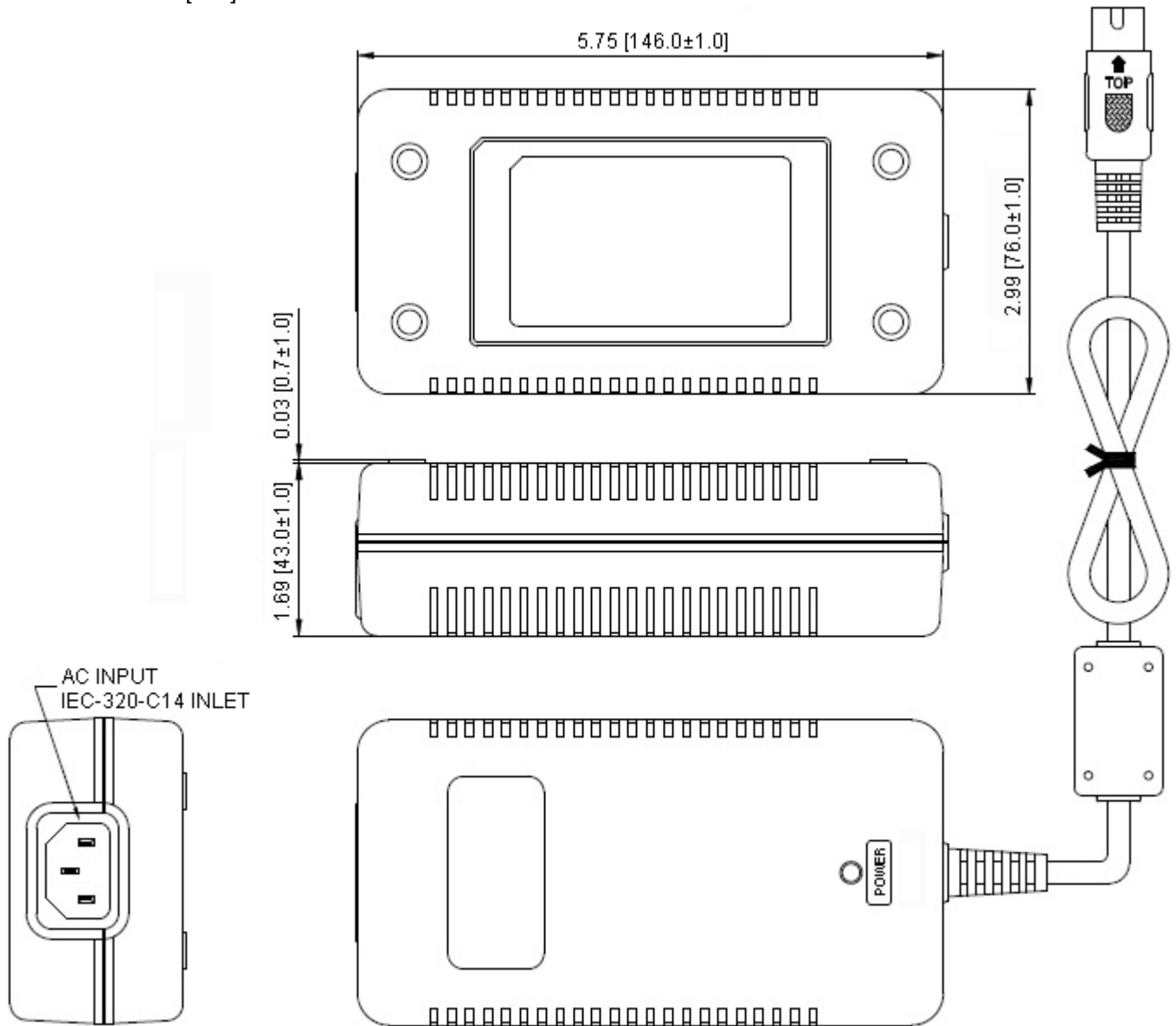
1. The asterisk “*” next to the model number indicates PSE approval.
2. The models with output voltages under 30VDC have been approved by TUV/PSE.
3. The output voltage is specified as a range (Ex: 40 ~ 48VDC); the preset voltage will be set as standard models if nothing different is requested. Please contact factory for ordering details.
4. Optional output connectors are available (see “DC Output Plug Selector List” link located at the bottom of the “Desktop” category page). Please call factory for ordering details.

DERATING CURVE



MECHANICAL DRAWING

Unit: inches [mm]



NOTES

1. Dimensions are shown in inches [mm]
2. Weight: Approximately 600-700 grams.
3. Optional output connectors available:
("DC Output Plug Selector List")