

FEATURES

- Splash Proof
- Single Output
- RoHS Compliant
- Optional Output Connectors
- A & C Types: Class I Insulation
- 3 Types of Inlet Connectors Available
- Wide Input Voltage 90 to 264VAC, 47~63Hz
- B Type: Class II Insulation (Double Insulation)
- Output Voltages Available from 3VDC to 48VDC



SPECIFICATIONS: DTSPU25 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			0.4	A
Input Current (High Line)	I _o = Full Load, V _{in} = 230VAC			0.25	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 (A & C Types Only)	I _o = Full Load, V _{in} = 240VAC		0.5	0.75	mA
Safety Ground Leakage Current (B Type Only)	I _o = Full Load, V _{in} = 240VAC		0.15	0.25	mA
Start-Up Time	I _o = Full Load, V _{in} = 100VAC		0.25	0.5	s
OUTPUT (V_o)					
Output Voltage Range		See Rating Chart			VDC
Load Regulation	V _{in} = 230VAC	1	3	5	%
Line Regulation	I _o = Full Load		0.5	1	%
Output Power Range	V _{in} = 90 to 264VAC			25	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	12	14	16	ms
PROTECTION					
Over Voltage Protection		Nil			%
Over Current Protection		110		150	%
GENERAL					
Efficiency	I _o = Full Load, V _{in} = 230VAC	75	85	95	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	4242			VDC
Dielectric Withstanding Voltage For Primary to Ground (A & C Types Only)	Primary to Ground	2121			VDC
Isolation Resistance	Test Voltage = 500VDC	50			MΩ
Power Consumption (No Load)	No Load, V _{in} = 240VAC	0	0.4	0.5	W
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
MTBF		300,000			hours
PHYSICAL					
Weight		Approximately 170 grams			
Dimensions		A Type: 4.11 x 1.65 x 1.22 inches B & C Types: 3.90 x 1.65 x 1.22 inches			
Input Inlet		IEC-320-C14, IEC-320-C8, IEC-320-C6			
SAFETY					
CISPR (EMI Requirements for CISPR-22)	V _{in} = 220VAC	B			Class
FCC (EMI Requirements for FCC Part-15)	V _{in} = 110VAC	B			Class

MODEL SELECTION TABLE

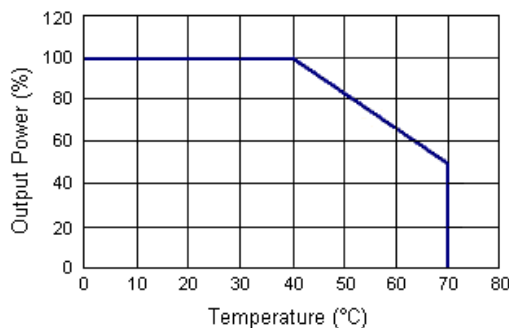
Model Number	Preset Voltage	Output Voltage Range	Output Current	Total Regulation	Max Output Power	AC Inlet Connector
DTSPU25A-102	6 VDC	5 ~ 6 VDC	3.00 ~ 2.75A	5%	16.5W	IEC-320-C14
DTSPU25A-103	8 VDC	6 ~ 8 VDC	3.30 ~ 2.50A	5%	20W	
DTSPU25A-104	11 VDC	8 ~ 11 VDC	2.75 ~ 2.00A	5%	22W	
DTSPU25A-105	13 VDC	11 ~ 13 VDC	2.27 ~ 1.92A	5%	25W	
DTSPU25A-106	16 VDC	13 ~ 16 VDC	1.92 ~ 1.56A	5%	25W	
DTSPU25A-107	21 VDC	16 ~ 21 VDC	1.56 ~ 1.19A	5%	25W	
DTSPU25A-108	27 VDC	21 ~ 27 VDC	1.19 ~ 0.92A	3%	25W	
DTSPU25A-109	33 VDC	27 ~ 33 VDC	0.92 ~ 0.75A	3%	25W	
DTSPU25A-110	40 VDC	33 ~ 40 VDC	0.75 ~ 0.62A	3%	25W	
DTSPU25A-111	48 VDC	40 ~ 48 VDC	0.62 ~ 0.52A	3%	25W	
DTSPU25B-102	6 VDC	5 ~ 6 VDC	3.00 ~ 2.75A	5%	16.5W	
DTSPU25B-103	8 VDC	6 ~ 8 VDC	3.30 ~ 2.50A	5%	20W	
DTSPU25B-104	11 VDC	8 ~ 11 VDC	2.75 ~ 2.00A	5%	22W	
DTSPU25B-105	13 VDC	11 ~ 13 VDC	2.27 ~ 1.92A	5%	25W	
DTSPU25B-106	16 VDC	13 ~ 16 VDC	1.92 ~ 1.56A	5%	25W	
DTSPU25B-107	21 VDC	16 ~ 21 VDC	1.56 ~ 1.19A	5%	25W	
DTSPU25B-108	27 VDC	21 ~ 27 VDC	1.19 ~ 0.92A	3%	25W	
DTSPU25B-109	33 VDC	27 ~ 33 VDC	0.92 ~ 0.75A	3%	25W	
DTSPU25B-110	40 VDC	33 ~ 40 VDC	0.75 ~ 0.62A	3%	25W	
DTSPU25B-111	48 VDC	40 ~ 48 VDC	0.62 ~ 0.52A	3%	25W	
DTSPU25C-102	6 VDC	5 ~ 6 VDC	3.00 ~ 2.75A	5%	16.5W	IEC-320-C6
DTSPU25C-103	8 VDC	6 ~ 8 VDC	3.30 ~ 2.50A	5%	20W	
DTSPU25C-104	11 VDC	8 ~ 11 VDC	2.75 ~ 2.00A	5%	22W	
DTSPU25C-105	13 VDC	11 ~ 13 VDC	2.27 ~ 1.92A	5%	25W	
DTSPU25C-106	16 VDC	13 ~ 16 VDC	1.92 ~ 1.56A	5%	25W	
DTSPU25C-107	21 VDC	16 ~ 21 VDC	1.56 ~ 1.19A	5%	25W	
DTSPU25C-108	27 VDC	21 ~ 27 VDC	1.19 ~ 0.92A	3%	25W	
DTSPU25C-109	33 VDC	27 ~ 33 VDC	0.92 ~ 0.75A	3%	25W	
DTSPU25C-110	40 VDC	33 ~ 40 VDC	0.75 ~ 0.62A	3%	25W	
DTSPU25C-111	48 VDC	40 ~ 48 VDC	0.62 ~ 0.52A	3%	25W	

NOTES

- The DTSPU25 Series is designated as DTSPU25x-y where x represents the type of AC input inlet connector, which can either be A (IEC-320-C14), B (IEC-320-C8), or C (IEC-320-C6); y can be 102, 103, 104, 105, 106, 107, 108, 109, 110 or 111.
- The output voltage is specified as a range (Ex: 40 ~ 48 VDC); the customer must specify what they would like the output voltage set at.
- Models with output voltages under 30VDC have been approved by TUV/PSE.
- Optional output connectors are available (see "DC Output Plug Selector List" link located at the bottom of the "Desktop" category page).
- This product is Listed to applicable standards and requirements by UL.

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

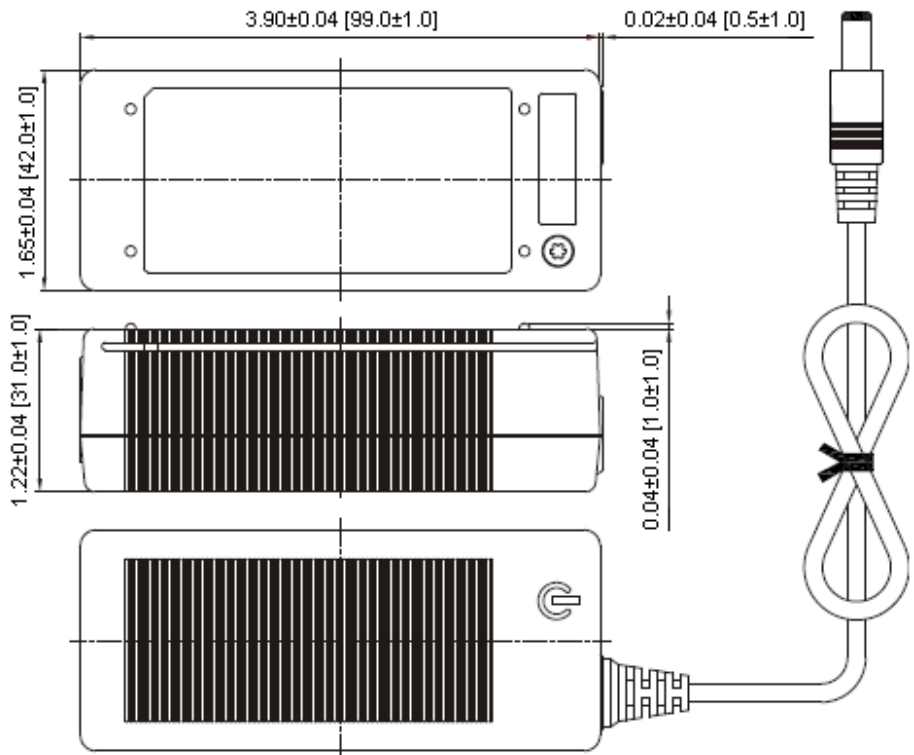
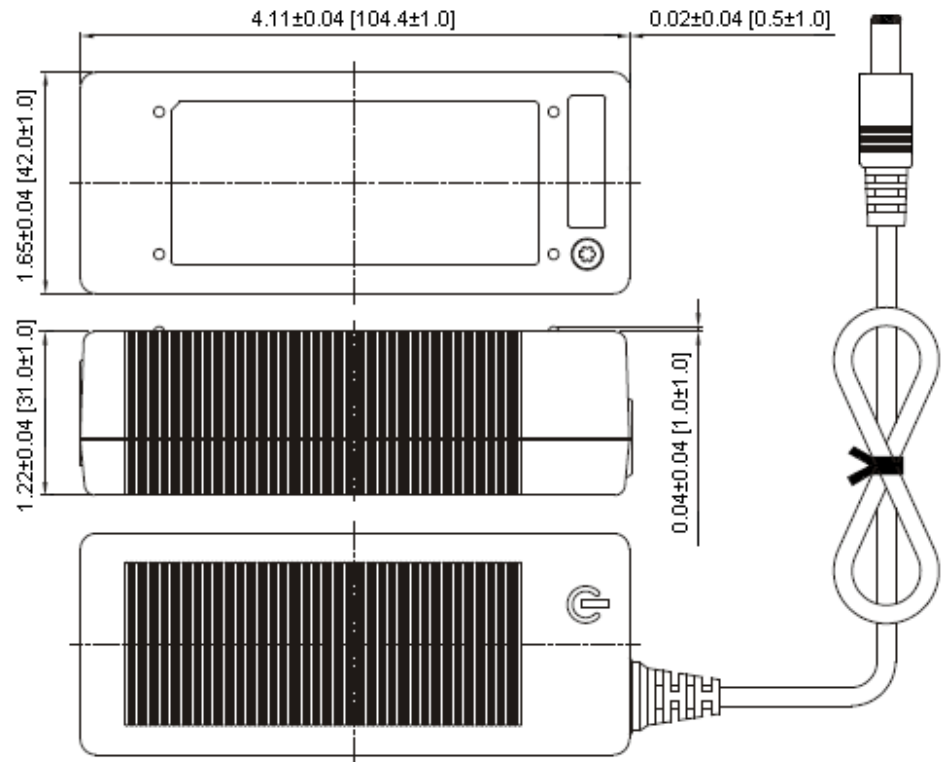
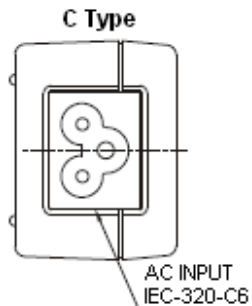
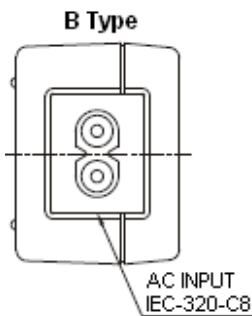
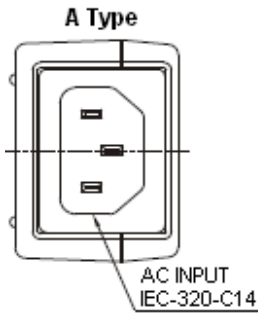
DERATING CURVE



MECHANICAL DRAWINGS

TYPE A

Unit: inches [mm]



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.

Contact **Wall Industries** for further information:

Phone: ☎ (603)778-2300
Toll Free: ☎ (888)597-9255
Fax: ☎ (603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.