

FEATURES

- Splash Proof
- Single Output
- 2 Year Warranty
- Optional Output Connector
- A Stand and Mains AC Power Cord
- Class II Insulation (Double Insulation)
- Wide Input Voltage 90 to 264VAC, 47~63Hz
- Output Voltages Available from 3VDC thru 48VDC



SPECIFICATIONS: DTSPU15D 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			0.26	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	10	%
Line Regulation	I _o = Full Load		0.5	1	%
Output Power Range	V _{in} = 90 to 264VAC	0		15	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	5			ms
PROTECTION					
Over Voltage Protection		Nil			%
Over Current Protection		Nil. Output protected to short circuit conditions			%
GENERAL					
Efficiency	I _o = Full Load, V _{in} = 230VAC	50	75	85	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	4242			VDC
Isolation Resistance	Test Voltage = 500VDC	50			MΩ
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		100,000			hours
PHYSICAL					
Weight		Approximately 165 grams			
Dimensions		3.58(L) x 1.50(W) x 1.42(H)			inches
Warranty		2			years
SAFETY					
CISPR (EMI Requirements for CISPR-22)	V _{in} = 220VAC	B			Class
FCC (EMI Requirements for FCC Part-15)	V _{in} = 110VAC	B			Class

*Note: The Ripple & Noise for output voltages under 3.3VDC is 2% max.

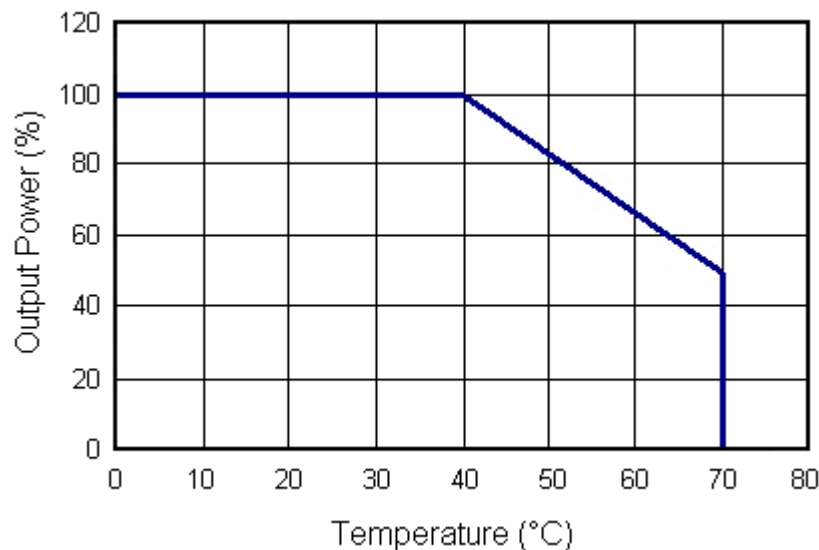
OUTPUT VOLTAGE/ CURRENT RATING CHART

Model Number	Input Voltage	Preset Voltage	Output Voltage Range	Output Current	Total Regulation	Maximum Output Power
DTSPU15D-101	90 ~ 264 VAC	5 VDC	3 ~ 5 VDC	2.50A max	7%	12W
DTSPU15D-102	90 ~ 264 VAC	6 VDC	5 ~ 6 VDC	2.50 ~ 2.00A	5%	12W
DTSPU15D-103	90 ~ 264 VAC	8 VDC	6 ~ 8 VDC	2.00 ~ 1.50A	5%	12W
DTSPU15D-104	90 ~ 264 VAC	11 VDC	8 ~ 11 VDC	1.87 ~ 1.36A	5%	15W
DTSPU15D-105	90 ~ 264 VAC	13 VDC	11 ~ 13 VDC	1.36 ~ 1.15A	5%	15W
DTSPU15D-106	90 ~ 264 VAC	16 VDC	13 ~ 16 VDC	1.15 ~ 0.94A	5%	15W
DTSPU15D-107	90 ~ 264 VAC	21 VDC	16 ~ 21 VDC	0.94 ~ 0.72A	5%	15W
DTSPU15D-108	90 ~ 264 VAC	27 VDC	21 ~ 27 VDC	0.72 ~ 0.55A	5%	15W
DTSPU15D-109	90 ~ 264 VAC	33 VDC	27 ~ 33 VDC	0.55 ~ 0.45A	5%	15W
DTSPU15D-110	90 ~ 264 VAC	40 VDC	33 ~ 40 VDC	0.45 ~ 0.37A	3%	15W
DTSPU15D-111	90 ~ 264 VAC	48 VDC	40 ~ 48 VDC	0.37 ~ 0.31A	3%	15W

NOTES

1. 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.
2. 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]

