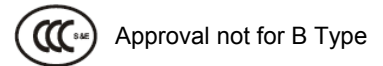


FEATURES

- Splash Proof
- Single Output
- 2 Year Warranty
- 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: DTSPU15 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	
Dielectric Withstanding Voltage Primary to Ground (For A & C Types Only)	Primary to Ground	2121			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	
Input Inlet		IEC-320-C14, IEC-320-C8, IEC-320-C6				
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.

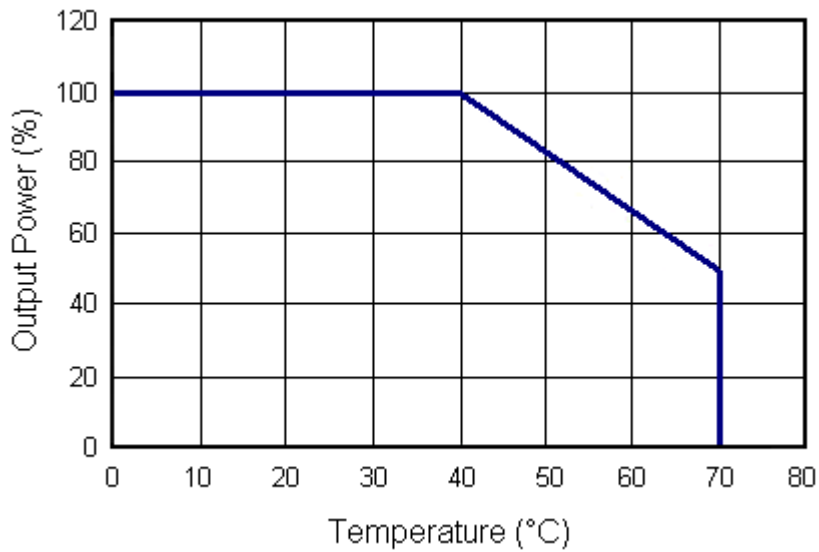
OUTPUT VOLTAGE/ CURRENT RATING CHART

Model Number	Preset Voltage	Output Voltage Range	Output Current	Total Regulation	Maximum Output Power	AC Inlet Connector
*DTSPU15A-101	5 VDC	3 ~ 5 VDC	2.50A max	7%	12W	IEC-320-C14
*DTSPU15A-102	6 VDC	5 ~ 6 VDC	2.50 ~ 2.00A	5%	12W	
*DTSPU15A-103	8 VDC	6 ~ 8 VDC	2.00 ~ 1.50A	5%	12W	
*DTSPU15A-104	11 VDC	8 ~ 11 VDC	1.87 ~ 1.36A	5%	15W	
*DTSPU15A-105	13 VDC	11 ~ 13 VDC	1.36 ~ 1.15A	5%	15W	
*DTSPU15A-106	16 VDC	13 ~ 16 VDC	1.15 ~ 0.94A	5%	15W	
*DTSPU15A-107	21 VDC	16 ~ 21 VDC	0.94 ~ 0.72A	5%	15W	
*DTSPU15A-108	27 VDC	21 ~ 27 VDC	0.72 ~ 0.55A	5%	15W	
*DTSPU15A-109	33 VDC	27 ~ 33 VDC	0.55 ~ 0.45A	5%	15W	
DTSPU15A-110	40 VDC	33 ~ 40 VDC	0.45 ~ 0.37A	3%	15W	
DTSPU15A-111	48 VDC	40 ~ 48 VDC	0.37 ~ 0.31A	3%	15W	
*DTSPU15B-101	5 VDC	3 ~ 5 VDC	2.50A max	7%	12W	IEC-320-C8
*DTSPU15B-102	6 VDC	5 ~ 6 VDC	2.50 ~ 2.00A	5%	12W	
*DTSPU15B-103	8 VDC	6 ~ 8 VDC	2.00 ~ 1.50A	5%	12W	
DTSPU15B-104	11 VDC	8 ~ 11 VDC	1.87 ~ 1.36A	5%	15W	
DTSPU15B-105	13 VDC	11 ~ 13 VDC	1.36 ~ 1.15A	5%	15W	
DTSPU15B-106	16 VDC	13 ~ 16 VDC	1.15 ~ 0.94A	5%	15W	
DTSPU15B-107	21 VDC	16 ~ 21 VDC	0.94 ~ 0.72A	5%	15W	
DTSPU15B-108	27 VDC	21 ~ 27 VDC	0.72 ~ 0.55A	5%	15W	
DTSPU15B-109	33 VDC	27 ~ 33 VDC	0.55 ~ 0.45A	5%	15W	
DTSPU15B-110	40 VDC	33 ~ 40 VDC	0.45 ~ 0.37A	3%	15W	
DTSPU15B-111	48 VDC	40 ~ 48 VDC	0.37 ~ 0.31A	3%	15W	
*DTSPU15C-101	5 VDC	3 ~ 5 VDC	2.50A max	7%	12W	IEC-320-C6
*DTSPU15C-102	6 VDC	5 ~ 6 VDC	2.50 ~ 2.00A	5%	12W	
*DTSPU15C-103	8 VDC	6 ~ 8 VDC	2.00 ~ 1.50A	5%	12W	
*DTSPU15C-104	11 VDC	8 ~ 11 VDC	1.87 ~ 1.36A	5%	15W	
*DTSPU15C-105	13 VDC	11 ~ 13 VDC	1.36 ~ 1.15A	5%	15W	
*DTSPU15C-106	16 VDC	13 ~ 16 VDC	1.15 ~ 0.94A	5%	15W	
*DTSPU15C-107	21 VDC	16 ~ 21 VDC	0.94 ~ 0.72A	5%	15W	
*DTSPU15C-108	27 VDC	21 ~ 27 VDC	0.72 ~ 0.55A	5%	15W	
*DTSPU15C-109	33 VDC	27 ~ 33 VDC	0.55 ~ 0.45A	5%	15W	
DTSPU15C-110	40 VDC	33 ~ 40 VDC	0.45 ~ 0.37A	3%	15W	
DTSPU15C-111	48 VDC	40 ~ 48 VDC	0.37 ~ 0.31A	3%	15W	

NOTES

1. The DTSPU15 Series is designated as DTSPU15x-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 101, 102, 103, 104, 105, 106, 107, 108, 109, 110 or 111.
2. 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.
3. The “*” symbol means PSE approval.
4. A & C Types Only: Models with output voltages under 30VDC have been approved by TUV/PSE.
5. 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

