

FEATURES

- Splash Proof
- 3 Year Warranty
- Class I Insulation
- IEC-320-C14 Input Inlet
- Optional Output Connectors
- Single, Dual, and Triple Outputs
- Wide Input Voltage 90 to 264VAC, 47~63Hz
- Output Voltage Protection (Crowbar Design)
- Output Voltage Available from 3VDC thru 40VDC
- Input Surge Current, Over Voltage, and Over Load Protection



SPECIFICATIONS: DTMPU30 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)	Io = Full Load, Vin = 115VAC			0.9	A
Input Current (High Line)	Io = Full Load, Vin = 230VAC			0.34	A
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		12	15	A
Inrush Current (High Line)	Io = Full Load, 25°C, Cool Start, Vin = 230VAC		26	30	A
Safety Ground Leakage Current	Io = Full Load, Vin = 240VAC			0.1	mA
Start-Up Time	Io = Full Load, Vin = 100VAC	0.3	1.5	2	s
OUTPUT (V_o)					
Output Voltage Range		See Rating Chart			VDC
Load Regulation	Vin = 230VAC		3	10	%
Line Regulation	Io = Full Load		0.5	1	%
Output Power Range	Vin = 90 to 264VAC	0		30	W
Output Current Range		See Rating Chart			A
*Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%
Transient Response	Io = Full Load to Half Load, Vin = 100VAC			4	ms
Hold-Up Time	Io = Full Load, Vin = 110VAC	12			ms
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
PROTECTION					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL					
Efficiency	Io = Full Load, Vin = 230VAC	70	83	85	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	5600			VDC
Dielectric Withstanding Voltage For Primary to Ground	Primary to Ground	2800			VDC
Isolation Resistance	Test Voltage = 2100VDC	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	%
PHYSICAL					
Weight		Approximately 400 ~ 460			grams
Dimensions		4.65 x 2.56 x 1.54			inches
Warranty		3			years
SAFETY					
EMI Requirements for CISPR-11	Vin = 220VAC	B			Class
EMI Requirements for FCC PART-18	Vin = 110VAC	B			Class

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

OUTPUT VOLTAGE / CURRENT RATING CHARTS

SINGLE OUTPUT MODELS					
Model Number	Preset Voltage	Output Voltage Range	Max. Output Current	Total Regulation	Max. Output Power
DTMPU30-101	5 VDC	3 ~ 5 VDC	6.66 ~ 4.00 A	5%	20W
DTMPU30-102	6 VDC	5 ~ 6 VDC	5.00 ~ 4.16 A	5%	25W
DTMPU30-103	8 VDC	6 ~ 8 VDC	4.16 ~ 3.12 A	5%	25W
DTMPU30-104	11 VDC	8 ~ 11 VDC	3.75 ~ 2.72 A	4%	30W
DTMPU30-105	13 VDC	11 ~ 13 VDC	2.72 ~ 2.30 A	3%	30W
DTMPU30-106	16 VDC	13 ~ 16 VDC	2.30 ~ 1.87 A	3%	30W
DTMPU30-107	21 VDC	16 ~ 21 VDC	1.87 ~ 1.42 A	3%	30W
DTMPU30-108	27 VDC	21 ~ 27 VDC	1.42 ~ 1.11 A	2%	30W
DTMPU30-109	33 VDC	27 ~ 33 VDC	1.11 ~ 0.91 A	2%	30W
DTMPU30-110	40 VDC	33 ~ 40 VDC	0.90 ~ 0.75 A	2%	30W

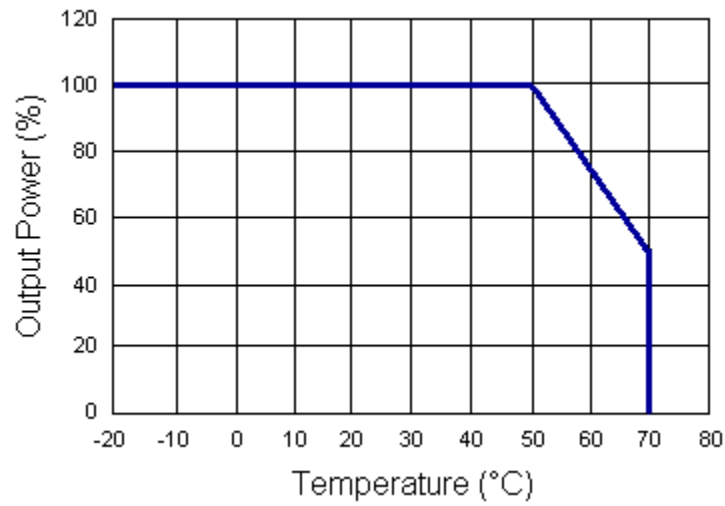
DUAL OUTPUT MODELS						
Model Number	Output Voltage	Min. Output Current	Max. Output Current	Max. Regulation	Max. Output Power	
DTMPU30-200	Output 1	+3.3 VDC	0.3A	3A	7%	25W
	Output 2	+12.0 VDC	0.13A	1.3A	5%	
DTMPU30-201	Output 1	+5.0 VDC	0.3A	3A	5%	30W
	Output 2	+12.0 VDC	0.13A	1.3A	5%	
DTMPU30-202	Output 1	+5.0 VDC	0.3A	3A	5%	30W
	Output 2	+15.0 VDC	0.1A	1.0A	5%	
DTMPU30-203	Output 1	+5.0 VDC	0.3A	3A	5%	30W
	Output 2	+24.0 VDC	0.07A	0.7A	5%	
DTMPU30-204	Output 1	+3.3 VDC	0.3A	3A	7%	17.9W
	Output 2	+5.0 VDC	0.16A	1.6A	5%	
DTMPU30-209	Output 1	+12 VDC	0.2A	2A	5%	30W
	Output 3	-12VDC	0A	0.5A	10%	
DTMPU30-210	Output 1	+15 VDC	0.15A	1.5A	5%	30W
	Output 3	-15 VDC	0A	0.5A	10%	
DTMPU30-215	Output 1	+5.0 VDC	0.25A	2.5A	5%	30W
	Output 3	-24.0 VDC	0A	1.0A	10%	

TRIPLE OUTPUT MODELS						
Model Number	Output Voltage	Min. Output Current	Max. Output Current	Max. Regulation	Max. Output Power	
DTMPU30-301	Output 1	+5.0 VDC	0.25A	2.5A	5%	25W
	Output 2	+12.0 VDC	0.13A	1.3A	5%	
	Output 3	-5.0 VDC	0A	0.5A	10%	
DTMPU30-302	Output 1	+5.0 VDC	0.25A	2.5A	5%	30W
	Output 2	+12.0 VDC	0.1A	1.0A	5%	
	Output 3	-12.0 VDC	0A	0.5A	10%	
DTMPU30-303	Output 1	+5.0 VDC	0.25A	2.5A	5%	30W
	Output 2	+15.0 VDC	0.1A	1.0A	5%	
	Output 3	-15.0 VDC	0A	0.5A	10%	
DTMPU30-304	Output 1	+5.0 VDC	0.3A	3.0A	5%	30W
	Output 2	+24.0 VDC	0.1A	1.0A	5%	
	Output 3	-24.0 VDC	0A	0.5A	10%	
DTMPU30-305	Output 1	+5.0 VDC	0.3A	2.5A	5%	30W
	Output 2	+24.0 VDC	0.1A	1.0A	5%	
	Output 3	-12.0 VDC	0A	0.5A	10%	
DTMPU30-306	Output 1	+3.3 VDC	0.25A	2.5A	7%	25W
	Output 2	+12 VDC	0.11A	1.1A	5%	
	Output 3	-5 VDC	0A	0.5A	10%	

NOTES

1. For single output models the output voltage is specified as a range (Ex: 33 ~ 40VDC); 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).

DERATING CURVE



MECHANICAL DRAWING

Unit: inches [mm]

