TU425 Family

425W Single Output
Industrial Grade

Industrial

FEATURES AND BENEFITS

- 3.3" x 6.2" x 1.62" Package
- Up to 425W of Air-cooled Power, 300W Convection
- Universal Input 90-264VAC Input Range
- 5V at 2A Isolated Standby Output
- Isolated 12V Fan Output
- Inhibit, Power Fail, DC OK Signals, Remote Sense
- Approved to EN/CSA/IEC/UL62368-1
- Compliant to High Levels of EMC per EN61000-4
- Meets Class B Conducted EMI with 6db Margin Class A Radiated EMI with 3db Margin
- Efficiency 90% Typical
- 3 Years Warranty
- Cover and Fan Cover Options

MODEL SELECTION

Model Number	Volts	Output Current (A)		Ripple Noise	Regulation	OCP Threshold	OVP Threshold	Construction
		(Convection)	(200LFM air)	(mV pk-pk)	(% of Vout)	(% Full load)	(% Vout)	
TU425S12E	12V	22.0A	32.2A	120	3%	130%-170%	110%-130%	U channel
TU425S18E	18V	14.6A	21.5A	180	3%	130%-170%	110%-130%	
TU425S24E	24V	11.9A	16.8A	240	3%	130%-170%	110%-130%	
TU425S48E	48V	5.9A	8.4A	480	3%	130%-170%	110%-130%	
TU425S12EF	12V	32.2A	N/A	120	3%	130%-170%	110%-130%	Enclosure with Fan
TU425S18EF	18V	21.4A	N/A	180	3%	130%-170%	110%-130%	
TU425S24EF	24V	16.8A	N/A	240	3%	130%-170%	110%-130%	
TU425S48EF	48V	8.4A	N/A	480	3%	130%-170%	110%-130%	
TU425S12EC	12V	14.2A	26.0A	120	3%	130%-170%	110%-130%	Enclosure
TU425S18EC	18V	9.4A	17.4A	180	3%	130%-170%	110%-130%	
TU425S24EC	24V	7.6A	13.0A	240	3%	130%-170%	110%-130%	
TU425S48EC	48V	3.8A	6.5A	480	3%	130%-170%	110%-130%	
Standby Output	5V	2.0A	2.0A	100	5%	130%-200%	110%-130%	All Models
Fan Output	12V	0.5A	1.0A	360	10%	150%-200%	N/A	

Notes :
1. Total power with 200lfm of forced air cooling is 425W (385W for 12V model) including 12V/1A for Fan output and 5V/2A standby.
2. Maximum convection cooled power is limited to 280W for 12V model and 300W for other models. This includes 12V/0.5A fan output and 5V/2A standby output.
3. Efficiency values listed are typical and are measured at 115VAC input, full load output current, at an ambient temperature of 25°C.
4. Measured at 25°C ambient with noise probe directly at end of 6" twisted pair terminated with 0.1µF ceramic and 10µF low ESR capacitors. Values will be higher at ambient temperatures below 0°C.
5. Fan Output: If the load on this output is other than a fan, a short circuit condition on this output can only be remedied by removing both the cause of the short circuit and the load. This will allow the output to resume normal operation.
6. No output adjustment for 56V model.
7. MTBF values are in hours, per Telcordia 332, Issue 6, 25°C, full rated load (w/airflow) at 110VAC input.