

ADSK10M-72H1T 1000Watts, Single Output



*Image is only for reference
Dimensions: 110(D)x157.5(W)x110(H) mm

Features

- High power density
- Built-in cooling fan
- RoHS compliance
- 3 year warranty
- Great reliability
- DIN Rail / Wall bracket mounting solution
- Over voltage protection
- Overload protection
- Short circuit protection
- Built-in O-ring diode
- Built-in CEMF damper
- High peak current

Safety Standards



EN 62368 (Marking)

EMC Standards

EN55011	Class B
EN55022	Class B
EN61000-4-2	Level 3
EN61000-4-3	Level 3
EN61000-4-4	Level 3
EN61000-4-5	Level 3
EN61000-4-6	Level 3
EN61000-4-8	Level 3
EN61000-4-11	Level 3

Model List

Model	O/P Voltage Adjustment	Min.	Loading Rated	Max.	Ripple Noise	Efficiency	Over Voltage Protection
ADSK10M-72H1T	+72VDC±5%	0A	14A	14A	600mVp-p	85%	82~95VDC

Specification

General

Switching Frequency	85kHz	
Isolation Voltage	Input-Output	3000VAC /4242VDC
	Input-FG	1500VAC/2121VDC
	Output-FG	500VAC/ 710VDC
Isolation Resistance	100MΩ when Input-Output @500VDC	
Operating Temperature	-20°C~50°C ambient	
Derating	2.5% per degree from 50°C to 70°C	

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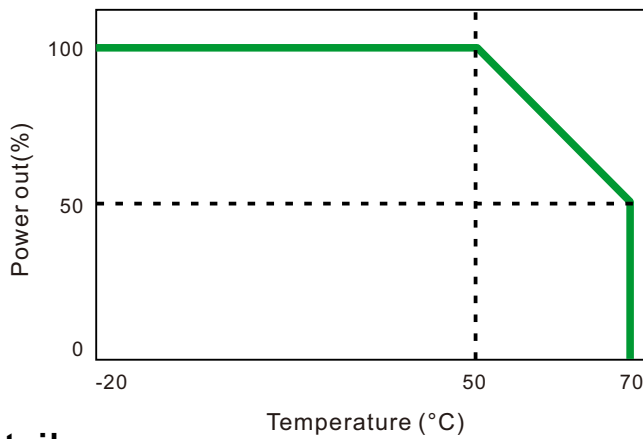
Specification

General		
Storage Temperature	-40°C to +85°C	
Relative Humidity	5%~95% RH, Non-condensing.	
Temperature Coefficient	±0.04% of output voltage per °C	
MTBF	60,000hrs Min. Per MIL-HDBK-217F, 25°C GB	
Attitude During Operation	2000m	
Installation position	Vertical	
Vibration	Random Vibration, 10~500Hz. 3 axis	
Input		
Input Voltage	200-240VAC	
Input Frequency	47~63Hz	
Inrush Current(COLD START)	25A/230VAC	
Rated Input Current	8A Max.@Vi=230VAC	
Leakage Current	Input-output 0.4mA, Input-FG 5.5mA	
Output		
Output Voltage accuracy	±1%	
Minimum Load	0%	
Line Regulation	±1%, measuring from low line to high line rated load	
Load Regulation	±2%, measuring from 20% to 100% of rated load at 230VAC input.	
Voltage Trim Range	±5%	
Rated Continuous Loading	14A@72VDC	
Hold Up Time	16mS Min., Full load@230VAC.	
Turn On Time	<1000mS	
Rise Time	25mS	
Fall Time	35mS	
Transient Response	Recovery Time	2mS, Load change 50% to 100%
	Voltage Deviation	5%, Load change 50% to 100%
Efficiency	See model list, measuring at rated load and 230VAC input	
Ripple and Noise	See model list, measuring by using a 0.1μF/630V metalize capacitor and a 47μF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.	

Specification

Protection	
Input Fuse	15A/230V
Internal Surge Load Protection	Varistor, IEC6100-4-5
Degree of Protection	IP20
Short Circuit Protection	Autorecovery
Over Voltage Protection	Autorecovery
Rated Over Load Protection	110~150%
Overload protection	Power limited

Derating Curve



Mechanical Details

