

Dimensions: 110(D)x157.5(W)x110(H) mm

AD11K0-42SR

1000Watts, Single Output, Rdy

Features

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

Safety Standards



EN 60950 (Meet)

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
AD11K0-42SR	+42VDC $\pm$ 10%	0A	24A	24A	350mVp-p	85%	27~30VDC

Specification

General

Switching Frequency		85kHz
Isolation Voltage	Input-Output	3000VAC /4242VDC
	Input-FG	1500VAC/2121VDC
	Output-FG	500VAC/ 710VDC
Isolation Resistance		100M Ω when Input-Output @500VDC
Operating Temperature		-40°C~40°C ambient
Derating		2.5% per degree from 40°C to 60°C
Storage Temperature		-40°C to +85°C
Relative Humidity		5%~95% RH, Non-condensing.

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ACRO
ENGINEERING INC.

Specification

General

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 axise

Input

Input Voltage	115/230VAC ±15% Selectable
Input Frequency	47~63Hz
Inrush Current	12A/115VAC
Cold Start	25A/230VAC
Rated Input Current	9A Max.@Vi=230VAC
Leakage Current	Input-output 0.25mA, Input-FG 3.5mA

Output

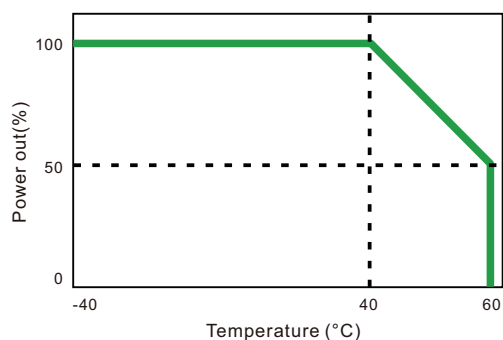
Output Voltage accuracy	±1%
Minimun Load	0%
Line Regulation	±1%, measuring from low line to high line rated load
Load Regulation	±2%, measuring from 20% to 100% of rated load 230VAC input
Voltage Trim Range	±10%
Rated Continuous Loading	24A@42VDC
Hold Up Time	20mS Min., Full load@230VAC.
Turn On Time	1000mS
Rise Time	15mS
Fall Time	30mS
Transient Response	Recovery Time 2mS, Load change 50% to 100%
	Voltage Deviation 5%
Efficiency	85%, measuring at rated load and 230VAC input
Ripple and Noice	200mVp-p, measuring by using a 0.1µF/630V metalize capacitor and a 47µF electrolytic capacitor on the test point , at rated load and 230Vac input

Specification

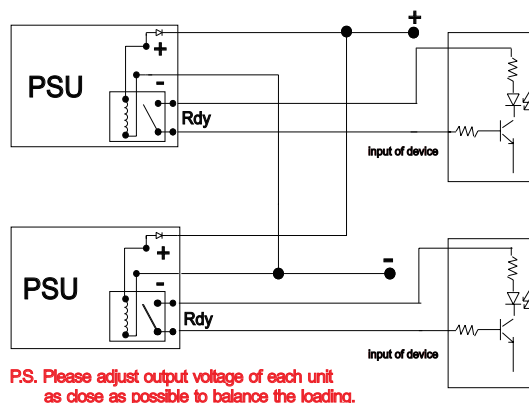
Protection

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	110~140%
Overload protection	Power limited

Derating Curve



Rdy & Redundant connection



Mechanical Details

