AvivEnergy tech Itd.

AD1100F Series 100Watts, Single Output



Dimensions:121(D)x110(H)x56(W)mm

Features:

- High power density
- Convection cooled
- RoHS compliance
- 3 year warranty
- Great reliability
- DIN rail / Wall bracket mounting solution
- Over voltage protection
- Overload protection
- Short circuit protection
- Optional Alarm signal / Redundant function
- Option to load PL model

General Specifications

INPUT

Input voltage	100 - 240VAC Full Range
Input frequency	47~63Hz
Inrush current	
(Cold start)	. 44A/230VAC

EMC STANDARDS

EN 55011	Class B
EN 55022	Class B
EN 61000-4-2	Level 3
EN 61000-4-3	Level 3
EN 61000-4-4	Level 3
EN 61000-4-5	Level 3
EN 61000-4-6	Level 3
EN 61000-4-8	Level 3
EN 61000-4-11	Level 3

OUTPUT

Hold-up time (Full load@230VAC)	20mS Min.				
Temp. Coefficient	± 0.04% / ° C				
Overvoltage protection	Autorecovery				
Overload protection	Power limited				
Short circuit protection Autore					
Transient response (Load change 50% to 100%)					
Voltage deviation	5%				
Recovery time	2mS				

SAFETY STANDARDS



EN 60950 (Marking)

UL 508 (Certificate) CSA 22.2 (Certificate)

ENVIRONMENTAL

Operating temperature: -20°C ~ 50°C ambient, derating each output at 2.5% per degree from 50°C to 70°C **Operating humidity:** Non-condensing, 5% ~ 95%RH. **Vibration:** Random vibration, 10Hz ~ 100Hz, 3axise.

MTBF: 80,000hrs Min. Per MIL-HDBK-217F, 25°C GB.



<u>כתובתנו : רח' העבודה 7 ת.ד 525 א.ת ראש העין 48104</u> טל: 03-9022500 פקס: 03-9022400 אתר חברה: http://www.avivenergy.co.il

AD1100F Series

Output Specifications

Model	O/P voltage Adjustment	L Min.	oading (Rated	(A) Max.	Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
AD1100-12F	+12VDC±10%	0A	8.0A	8.0A	100mVp-p	± 1%	± 1%	80%	15~17VDC
AD1100-24F	+24VDC±10%	0A	4.0A	4.0A	150mVp-p	±1%	± 1%	81%	27~30VDC
AD1100-48F	+48VDC±10%	0A	2.0A	2.0A	250mVp-p	± 1%	± 1%	83%	52~56VDC

PS. AD1100-48F has CB and CE report only.

NOTE:

1. Each output can supply up to maximum current, but total loading can not exceed rated output wattage.

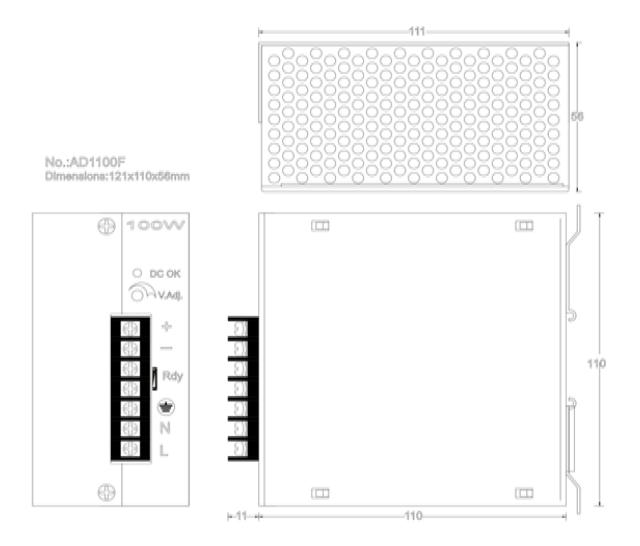
Line regulation is measured from low line to high line at rated load.
Load regulation is measured from 20% to 100% of rated load at 220%

Load regulation is measured from 20% to 100% of rated load at 230VAC input.
Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic

capacitor parallel on the test point, at rated load and 230VAC input.

Efficiency is measured at rated load and 230VAC input.

Mechanical Details





<u>כתובתנו : רח' העבודה 7 ת.ד 525 א.ת ראש העין 48104</u> טל: 03-9022500 פקס: 03-9022400 אתר חברה: http://www.avivenergy.co.il