



Waterproof 12Vdc Power Supply IP67

Features

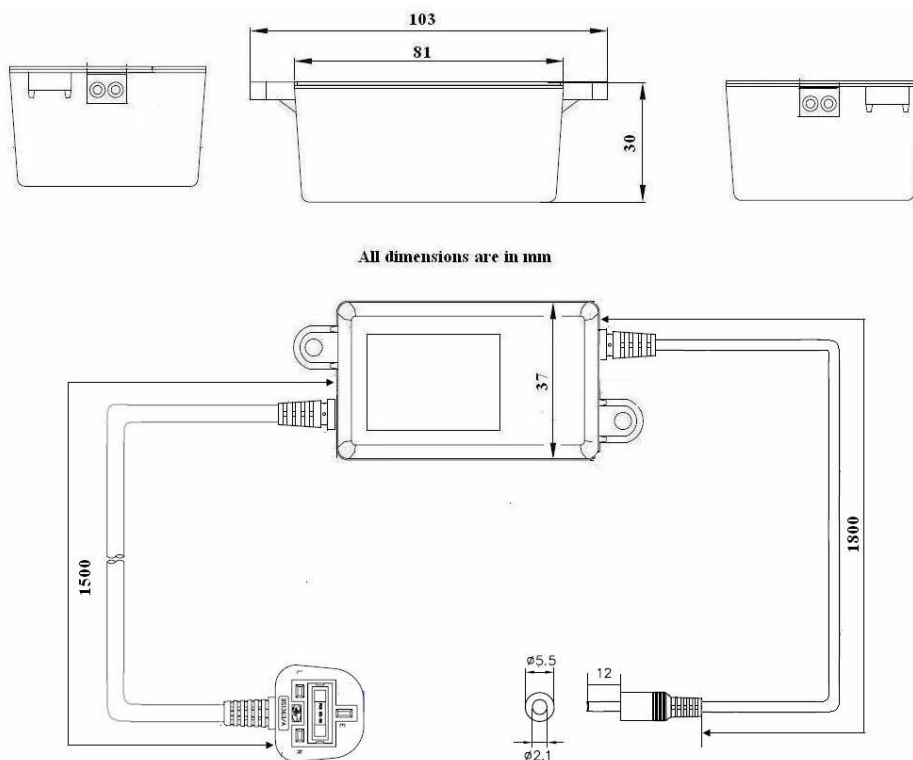
- Sealed Unit IP67 (Resin Potted)
- Input 100-240Vac
- Output 12Vdc 1A
- Miniature Size 83 x 37 x 30mm
- 2.1mm Female Jack, Centre Pin+ve
- Wall Fixing Lugs
- Supplied with 3.3m lead

Intended Use

- RF Solutions Receivers and Transmitters
- Industrial Equipment



Mechanical Data



Ordering Information

Part Number	Description
PSU-12V1AIN-IP	Power Supply Unit—110-230Vac in 12Vdc 1A

Waterproof 12Vdc Power Supply IP67



Technical Specification

TEST ITEMS	UNIT	VALUE	TEST CONDITIONS/RECORDS
Input			
Nominal Input Voltage	Vac	100 - 240	-
Input Voltage Range	Vac	90 - 264	-
Input Frequency	Hz	50/60	At any load
AC Input Current	Arms	0.40	At full load & any input voltage
Output			
Nominal Output Voltage	Vdc	12.0	-
Output Voltage Range	Vdc	11.40 – 12.60	At any input voltage & Load
Max. Output Current	mA	1000	At any input voltage
Line Regulation	%	1% max	At any input voltage & max. load
Load Regulation	%	+5%	At any input voltage
Ripple and Noise	mVp-p	<50	Any input voltage & any Load
Efficiency	%	>70	At any input and max. load
Output Cable	mm	L=1800	Straight Plug : 2.1x5.5x12mm (+)
Input Cable	mm	L=1500	BS 1363 Plug
Output Short Circuit Protection	-	Hiccup	Self recovering
Over Current Protection	A	≤2.0	At any input voltage
Environmental			
Operating Temperature	C	0 ~ +40	Full load & natural convection.
Storage Temperature	C	-10 ~ +70	-
Operating Humidity	%RH	10 ~ 90	-
Storage Humidity	%RH	5 ~ 90	Relative humidity, non-condensing
Safety standard & EMI			
Withstand Voltage (Hi-Pot)	KVac	I/P to O/P: 3.0 (60Sec.)	Set cut-off current to 10mA
Safety Standard	-	EN60065	IP67
EMI/RFI Standard	-	EN55022B / FCC	-
Mechanical characteristics			
Size	mm	81x37x30mm (LxWxH)	Casing only
Weight	g	Approx.	-

SAFETY INFORMATION

This unit is fitted with a moulded BS1363 UK mains plug.

This power supply operates from 110-240 Vac and must be handled with care. Risk of electrocution!

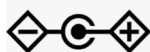
The Enclosure is double insulated, it does not require an earth wire.

Should you need to replace the UK plug with an alternative, the BROWN wire must be connected to the L: LIVE (fused terminal), the BLUE wire must be connected to the N: Neutral terminal.

The fuse must be replaced with the same value max 3A.

Any modification to the PSU must be carried out by a qualified professional.

DC Output polarity



Simplified Declaration of Conformity (RED)

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Meets the following EC Directives:

DO NOT

Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme. Environment Agency producer registration number: **WEE/JB0104WV**.



Waste Batteries and Accumulators Directive 2006/66/EC

Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point. RF Solutions battery producer number: **BPRN00060**.

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