



Waterproof 12Vdc Power Supply IP67

Features

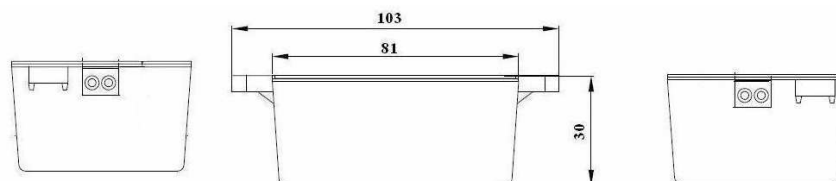
- Sealed Unit to IP67
- Resin Potted
- Input 100-240Vac
- Output 12Vdc 1A
- Miniature Size 83 x 37 x 30mm
- 2.1mm Female Jack, Centre Pin+ve
- Wall Fixing Lugs
- Supplied with 3.3m lead

Intended Use

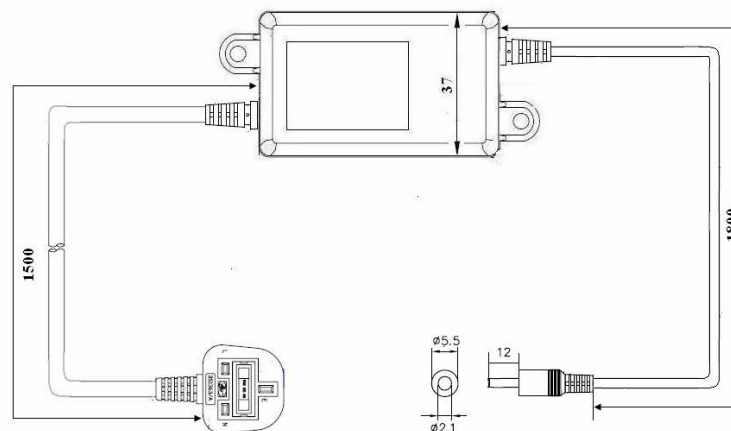
- RF Solutions Receivers and Transmitters
- Industrial Equipment



Mechanical Data



All dimensions are in mm



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.	-

Features

This unit is fitted with a moulded BS1363 mains plug.

As it is double insulated, it does not need an earth wire.

Should you need to replace the plug with a rewirable one, the brown wire must be connected to the L live terminal (with the fuse). The blue wire must be connected to the N neutral terminal

The fuse must be replaced with the same value, 5a.

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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