

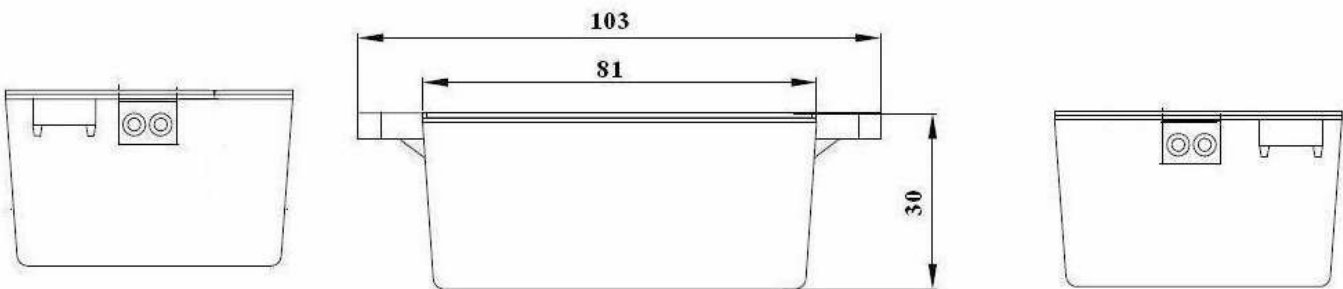


# Waterproof 12Vdc Power Supply IP67

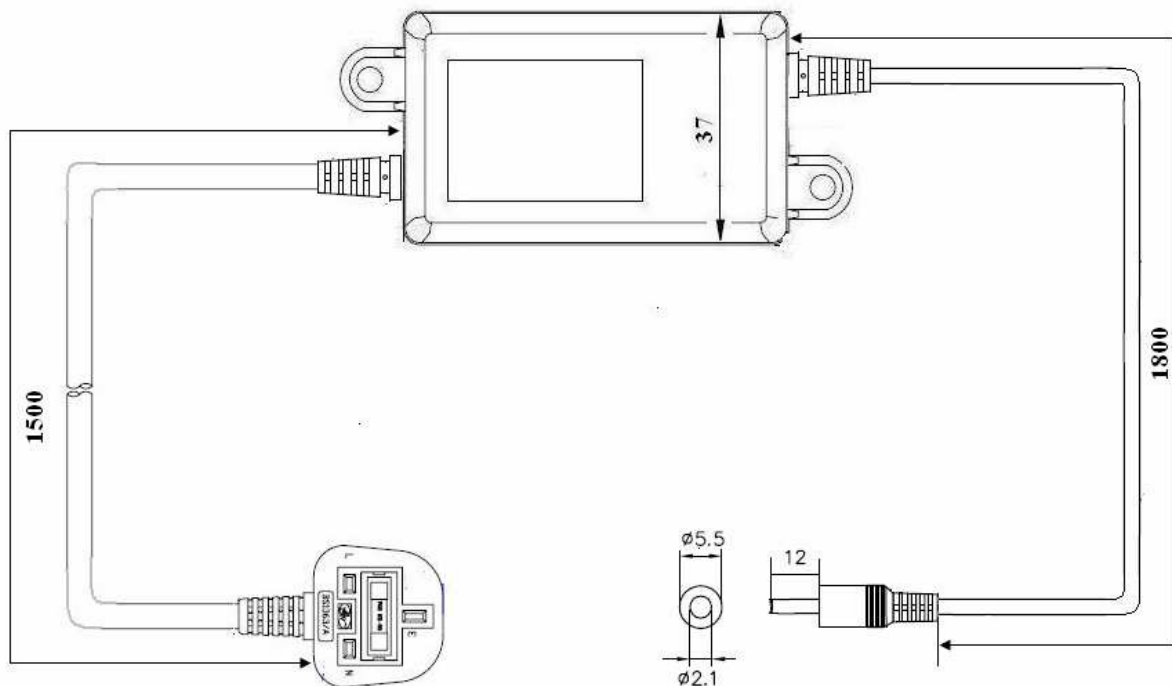
- Sealed Unit to IP67
- Resin Potted Unit
- Input 100-240Vac
- Output 12Vdc 1A
- Miniature Size 83 x 37 x 30mm
- 2.1mm Female Jack
- Wall Fixing Lugs
- Supplied with 3.3m lead

Part Number	Description
PSU-12V1AIN-IP	Power Supply Unit 110-230Vac in 12Vdc1A

## Mechanical Data



All dimensions are in mm





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## Technical Specification

### AC/DC POWER SUPPLY MODULE

S/N	TEST ITEMS	UNIT	VALUE	TEST CONDITIONS/RECORDS
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#### Input

01	Nominal Input Voltage	Vac	100 - 240	-
02	Input Voltage Range	Vac	90 - 264	-
03	Input Frequency	Hz	50/60	At any load
04	AC Input Current	Arms	0.40	At full load & any input voltage

#### Output

01	Nominal Output Voltage	Vdc	12.0	-
02	Output Voltage Range	Vdc	11.40 - 12.60	At any input voltage & Load
03	Max. Output Current	mA	1000	At any input voltage
04	Line Regulation	%	1% max	At any input voltage & max. load
05	Load Regulation	%	+5%	At any input voltage
06	Ripple and Noise	mVp-p	<50	Any input voltage & any Load
07	Efficiency	%	> 70	At any input and max. load
08	Output Cable	mm	L=1800	Straight Plug : 2.1x5.5x12mm (+)
09	Input Cable	mm	L=1500	BS 1363 Plug
10	Output Short Circuit	-	Hiccup	Self recovering
11	Over Current Protection	A	≤2.0	At any input voltage

#### Environmental

01	Operating Temperature	C	0 ~ +40	Full load & natural convection.
02	Storage Temperature	C	-10 ~ +70	-
03	Operating Humidity	%RH	10 ~ 90	-
04	Storage Humidity	%RH	5 ~ 90	Relative humidity, non-condensing

#### Safety standard & EMI


01	Withstand Voltage (Hi-Pot)	KVac	I/P to O/P: 3.0 (60Sec.)	Set cut-off current to 10mA
02	Safety Standard	-	EN60065	IP67
03	EMI/RFI Standard	-	EN55022B / FCC	-

#### Mechanical characteristics

01	Size	mm	81x37x30mm (LxWxH)	Casing only
02	Weight	g	Approx.	-



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<p><b>DO NOT Discard with normal waste, please recycle.</b></p>
<p><b>ROHS Directive 2002/95/EC</b> Specifies certain limits for hazardous substances.</p>
<p><b>WEEE Directive 2002/96/EC</b> Waste Electrical &amp; Electronic Equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd fulfils its WEEE obligations by membership of an approved compliance scheme. <u>Environment Agency producer registration number WEE/JB0104WV</u></p>
<p><b>Waste Batteries and Accumulators Directive 2006/66/EC</b> Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.</p>

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