

# 2000/9000 SERIES

AC/DC Single Output: 10 - 60 Watts



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## Features

- Universal input 90 - 264 VAC
- IEC320 2 pin/3 pin options
- Fixed mains power cord options
- Wide range of output connector options
- Fully isolated input - output
- Medical versions available
- Overload and short circuit protection
- Suitable for a wide range of applications
- MTBF >200,000 hours
- Special output voltages on request
- Waterproof (**IP67**) models on request
- Mounting bracket options
- 9920/9921 available as MEPS compliant model 2720

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Output Power:</b>	10 - 60 watts
<b>Output Voltage:</b>	5 - 48VDC (other voltages on request)
<b>Voltage Range:</b>	Fixed
<b>Load Regulation:</b>	±1%
<b>Line Regulation:</b>	±0.5%
<b>Insulation:</b>	2 pin IEC320 = Class II 3 pin IEC320 = Class I
<b>Isolation:</b>	Input - Output: 4000VAC
<b>Safety:</b>	EN60950, EN60601-1 Consult office for UL2601-1 approvals
<b>EMC:</b>	Medical EN60601-1-2 Emission: EN61000-6-3 Immunity: EN61000-6-1
<b>Operating Temp:</b>	-20°C to +40°C
<b>Efficiency:</b>	Model dependant, typically 80%
<b>Protection:</b>	Current limiting and short circuit protection. Overvoltage protection
<b>Dimensions/Weight:</b>	2124, 2125: 90 x 45 x 32mm. 9920, 9921, 9922: 107 x 67 x 37mm. 2020, 2021, 2022: 135 x 80 x 44mm.

## Description

The 2000 and 9000 series External Power Supplies offer customers a wide range of options. They were specially released to suit small production runs with "customisation" in mind. Apart from the voltages illustrated in the tables below, we can offer models to customer specifications. Models with **Medical** approvals are also available.

## Options

<b>Input Connector:</b>	Standard mains input: 2 pin IEC320 or 3 pin IEC320. Fixed mains power and cord option (special orders).
<b>Output Plug:</b>	A variety of output plugs available, consult office for details.
<b>Waterproof:</b>	Models with <b>IP67</b> waterproof rating.
<b>Mounting Brackets:</b>	2124, 2125: P/N: <b>202906</b> 9920, 9921, 9922: P/N: <b>201565</b> 2020, 2021, 2022: P/N: <b>201970</b>

## Mounting Bracket options



Model 2 Pin IEC320	Output V A	Power W
2124 - 6	6V 1.5A	9W
2124 - 9	9V 1.5A	13W
2124 - 13.2	13.2V 1.2A	15W
2124 - 16	16V 1.0A	15W
2124 - 24	24V 0.65A	15W
2124 - 48	48V 0.33A	15W
9921 - 5	5V 3.5A	17W
9921 - 9	9V 3A	30W
9921 - 13.2	13.2V 3A	40W
9921 - 16	16V 2.5A	40W
9921 - 24	24V 1.6A	40W
9921 - 48	48V 0.8A	40W

Model 2 Pin IEC320	Output V A	Power W
2021 - 9	9V 4.5A	40W
2021 - 13.2	13.2V 4.5A	60W
2021 - 16	16V 3.75A	60W
2021 - 24	24V 2.5A	60W
<b>Models with Fixed Mains Power Cord</b>		
2124 change part to: 2125		
9921 change part to: 9922		
2021 change part to: 2022		

Model 3 Pin IEC320	Output V A	Power W
9920 - 5	5V 3.5A	17W
9920 - 9	9V 3A	30W
9920 - 13.2	13.2V 3A	40W
9920 - 16	16V 2.5A	40W
9920 - 24	24V 1.6A	40W
9920 - 48	48V 0.8A	40W
2020 - 9	9V 4.5A	40W
2020 - 13.2	13.2V 4.5A	60W
2020 - 16	16V 3.75A	60W
2020 - 24	24V 2.5A	60W