

# AC-DC Power Supplies

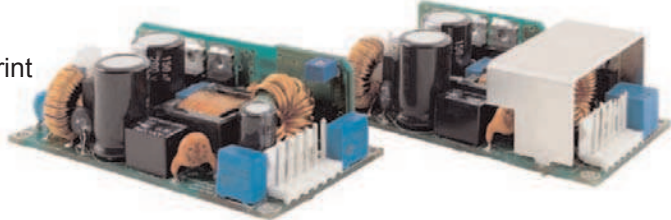


## TOP 100 Series, 100 Watt

[www.powersolve.co.uk](http://www.powersolve.co.uk)

### Features

- Highest power density in 101.6 x 50.8mm footprint
- Supplies 100W with convection cooling
- High efficiency of 90% typical
- Operating temperature range of -25°C to +70°C
- Compliance with EN 61000-3-2
- Low leakage current
- Safety class I and class II



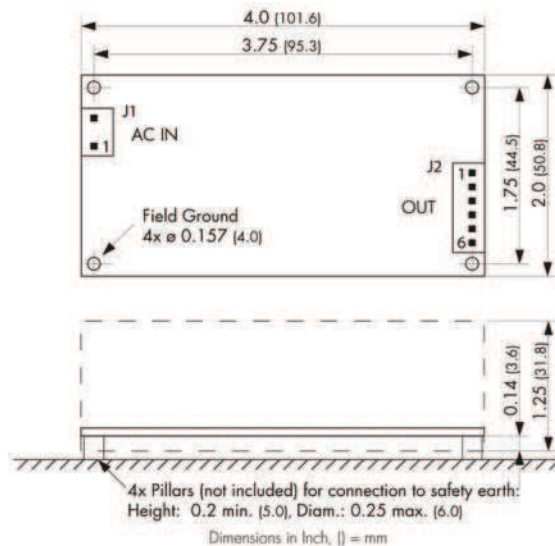
### Electrical Specification

Input voltage range	93-132Vac / 167-264Vac (autorange)
Input Frequency	47 - 63Hz
Input Protection	T4A 250V internal fuse
EMI emission	EN 55011/22 class B, harmonic current EN 61000-3-2
EMC immunity	EN 61000-6-1
Output current limitation	>125% of Inom. foldback, auto recovery
Short Circuit Protection	Foldback, auto recovery
Efficiency	90% typical
Operating Temperature Range	-25°C to +70°C (convection cooling) (derate at 2.0%/°C above 50°C, 2.0%/°C, above 40°C for 3.3 & 5VDC models)
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1, CB report
Degree of protection	Class I, class II prepared with second fuse

### Output Voltage and Current Ratings

MODEL	OUTPUT POWER	OUTPUT VOLTAGE SET POINT	OUTPUT VOLTAGE Adj. RANGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.
TOP 100-103	66W	3.3VDC	3.3 - 3.5VDC	20A	100mV pk-pk max.	1.0%	1.0%
TOP 100-105	100W	5VDC	5.0 - 5.2VDC	20A	100mV pk-pk max.	1.0%	1.0%
TOP 100-112	100W	12VDC	12.0 - 13.0VDC	8.3A	100mV pk-pk max.	1.0%	1.0%
TOP 100-115	100W	15VDC	15.0 - 16.0VDC	6.7A	100mV pk-pk max.	1.0%	1.0%
TOP 100-124	100W	24VDC	24.0 - 26.0VDC	4.2A	100mV pk-pk max.	1.0%	1.0%
TOP 100-148	100W	48VDC	48.0 - 52.0VDC	2.1A	200mV pk-pk max.	1.0%	1.0%

### Mechanical and Connection Details



**J1** Mating connector: Molex 09-50-3031

**Pin Function**

1	AC in
2	AC in

**J2** Mating connector: Molex 09-50-3061

**Pin SINGLE OUTPUT**

1	-Vout
2	-Vout
3	-Vout
4	+Vout
5	+Vout
6	+Vout