

# AC-DC Power Supplies

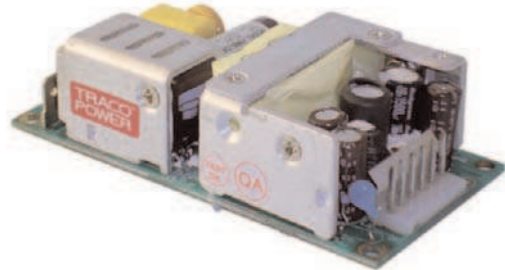


## TOP 60 Series, 60 Watt

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

### Features

- Highest power density in 101.6 x 50.8mm footprint
- Single, dual and triple output models
- High efficiency of 88% typical
- Operating temperature range of -10°C to +70°C
- Universal input range of 90 - 264Vac
- Compliance with EN 61000-3-2
- Low leakage current



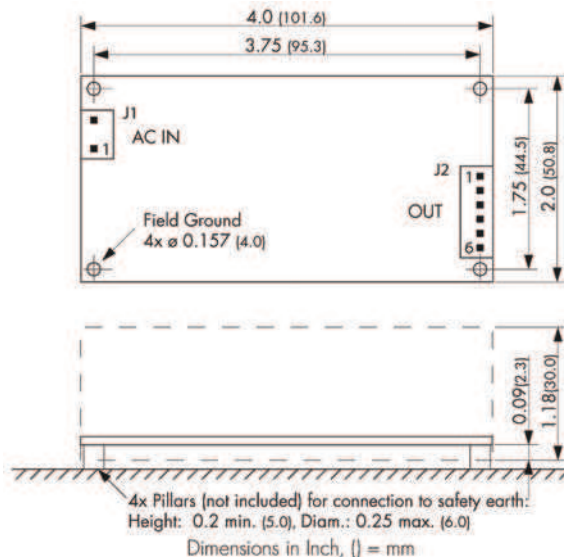
### Electrical Specification

Input voltage range	85-264Vac, 47 - 63Hz
Output Voltage Adjustment	approx. +5% of Vout nom. by internal potentiometer
EMI emission	EN 55011/22 class B, harmonic current EN 61000-3-2
EMC immunity	EN 61000-6-1
Output current limitation	>110% of Iout max.
Overvoltage protection	>110% of Vout nom.
Operating Temperature Range	-10°C to +70°C (convection cooling) (derate at 2.0%/°C above 50°C)
Safety Approvals	cUL/UL 60601-1, IEC/EN 60950-1, CB report
Degree of protection	Class II prepared with second fuse

### Output Voltage and Current Ratings

MODEL	OUTPUT P max.	OUTPUT 1	OUTPUT 2	OUTPUT 3	RIPPLE & NOISE	LINE REG.	LOAD REG.
TOP 60105	55W	5.0VDC / 11.0A			100mV pk-pk max.	0.5%	2.0%
TOP 60112	60W	12VDC / 5.0A			120mV pk-pk max.	0.5%	2.0%
TOP 60115	64W	15VDC / 4.3A			150mV pk-pk max.	0.5%	2.0%
TOP 60124	64W	24VDC / 2.7A			240mV pk-pk max.	0.5%	2.0%
TOP 60148	64W	48VDC / 1.35A			480mV pk-pk max.	0.5%	2.0%
TOP 60252	55W	+5.0VDC / 6.0A	+12VDC / 3.0A		100mV pk-pk max.	0.5%	3.0%
TOP 60254	55W	+5.0VDC / 6.0A	+24VDC / 1.5A		100mV pk-pk max.	0.5%	3.0%
TOP 60522	55W	+5.0VDC / 6.0A	+12VDC / 3.0A	-12VDC / 0.5A	100mV pk-pk max.	0.5%	3.0%
TOP 60533	55W	+5.0VDC / 6.0A	+15VDC / 2.4A	-15VDC / 0.5A	100mV pk-pk max.	0.5%	3.0%
TOP 60316	38W	+3.3VDC / 6.0A	+5.2VDC / 3.0A	+12VDC / 0.5A	100mV pk-pk max.	0.5%	3.0%
TOP 60317	38W	+5.0VDC / 6.0A	+3.3VDC / 1.5A	+12VDC / 0.5A	100mV pk-pk max.	0.5%	3.0%
TOP 60318	55W	+5.0VDC / 6.0A	+24VDC / 1.5A	-12VDC / 0.5A	100mV pk-pk max.	0.5%	3.0%

### Mechanical and Connection Details



<b>J1</b>	Mating connector: Molex 09-50-3031		
<b>Pin</b>	<b>Function</b>		
1	AC in		
2	AC in		
<b>J2</b>	Mating connector: Molex 09-50-3061		
<b>Pin</b>	<b>SINGLE OUTPUT</b>	<b>DUAL OUTPUT</b>	<b>TRIPLE OUTPUT</b>
1	+Vout	Vout1	Vout1
2	+Vout	Vout1	Vout1
3	-Vout	Common	Common
4	-Vout	Common	Common
5	No conn.	No conn.	Vout3
6	No conn.	Vout2	Vout2