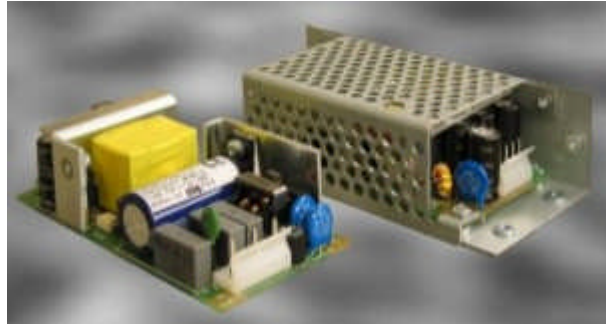


## ALL PSU DATA SHEET.

### 60 Watt DE / DEL Open Frame Series, (Single Output, Small Footprint).

- \* Small 2 x4" Footprint
- \* Universal AC Input
- \* Low 1U Profile (open / cased)
- \* Cost Effective
- \* Short Circuit & Over Voltage Protection
- \* Class B Input Filter
- \* Optional Safety Covers
- \* Custom Versions Available



#### Specification.

Universal Input	(@ 230 VAC Input, Rated Load, +25°C) 90~264 VAC, 47~440-Hz (125-370 VDC)
Output Voltage	See Table Below (plus min +/-5% adjustment) (+10% Adjustment Available On 3.3 / 5 Volt Units)
Output Power	Depends On Output Voltage / Cooling
Line Regulation (100~230 VAC)	+/-0.2%
Load Regulation (10~100%)	+/-0.5%
Hold Up Time	16 mS (120 V Input @ 40 Watts Load) 50 mS (180 V Input @ 48 Watts Load)
Over Voltage Protection	Set To + 20% Above Nominal Output
Short Circuit Protection	Continuous
Ripple And Noise	Typically 1% (DC to 20MHz)
Switching Frequency	70 KHz
EMI Filter	EN55022 For Conducted Noise
Isolation	4 KV Input To Output
Operating Temperature	-10 To +70°C (Derates 1.5%/°C from 25 to 70°C)
Storage Temperature	-20 To +85°C
Approvals	UL & EN60950, CE Marked For LVD
Mechanical (open frame)	Size 101.6 x 50.8 x 28mm (26mm from base of PCB to top of highest heat-sink)
Connections	Molex, 3.96mm pitch.
Optional Safety Cover	Approximately 103 x 59 x 36mm

Model RoHS Versions	Model Non RoHS	Output Voltage	Convection Cooled Current Rating
<a href="#">DE-60-3.3</a>	<a href="#">DEL-60-101</a>	3.3 Volts	8.0 Amps
<a href="#">DE-60-5</a>	<a href="#">DEL-60-102</a>	5.0 Volts	8.0 Amps
<a href="#">DE-60-12</a>	<a href="#">DEL-60-103</a>	12 Volts	5.0 Amps
<a href="#">DE-60-13.8</a>	<a href="#">DEL-60-13.8</a>	13.8 Volts	4.3 Amps
<a href="#">DE-60-15</a>	<a href="#">DEL-60-15</a>	15 Volts	4.0 Amps
<a href="#">DE-60-24</a>	<a href="#">DEL-60-104</a>	24 Volts	2.5 Amps
<a href="#">DE-60-48</a>	<a href="#">DEL-60-105</a>	48 Volts	1.25 Amps
Special, Dual & Triple Output Versions Available, Please Enquire.			

For full specification and mechanical details please contact ALL PSU sales office.  
Specifications may change without notice, E&OE. ALL PSU Terms & Conditions Apply.

*Further Open Frame Units Are Available from 5 to 150 Watts.  
Please Visit [www.allpsu.co.uk](http://www.allpsu.co.uk) For Further Product Listings.*

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