

# VLT200 Series

## 200W single output AC/DC Power Supplies

The EOS brand VLT200 power supply family features single-output DC configurations from 5v to 48v and efficiencies greater than 85%. Fitted in a 6.3"x3.0"x1.3" package the VLT200 has over 8 watts per cubic inch power, 90-264v universal input, passive harmonic correction, remote sense and remote on/off features.

VLT200 family has low conducted and radiated noise and meets EN61000-3-2 class A&D harmonics. The VLT200 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OTP, OVP and OCP standard features and an operating range from 0 to 50 degrees C.



### Features :

- > 200 W fan cooled rating.
- > Small 6.3x3.0x1.3 inch form factor.
- > Ultra high efficiency > 85%
- > EN61000-3-2 class D harmonics.
- > Patented resonant topology.
- > Low conducted and radiated noise.

Model Number	Output	Output Voltage	Set Point	Current No Fan	Current 300LFM	Min. Load
VLT200-1001	V1	12V	12V	9.2A	16.6A	0A
	Vsb	5V	5V	0.5A	0.5A	0A
VLT200-1002	V1	15V	15V	7.3A	13.3A	0A
	Vsb	5V	5V	0.5A	0.5A	0A
VLT200-1003	V1	24V	24V	4.5A	8.3A	0A
	Vsb	5V	5v	0.5A	0.5A	0A
VLT200-1004	V1	48V	48V	2.3A	4.16A	0A
	Vsb	5V	5V	0.5A	0.5A	0A

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency		85% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	3.0Arms , max
Inrush Current	High Line , cold start	100A,max

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or Equivalent
J1 Mating Connector	Molex 09-50-3031 or Equivalent
Ground Connector	Spade Connector, 0.25"
Output connector J2	Tyco terminal block 282841-6 or Equivalent
J2 Wire Torque	5 inch/lb
Output Connector J3	Molex 22-23-2081 or Equivalent
Size	6.3x3.0x1.3"
Weight	450g

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating	0 to 50° C
Storage Temperature		-40 to 85° CC
Cooling	Convection/300LFM	110W/200W
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	>100,000 hrs

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at [www.eospower.com](http://www.eospower.com). EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



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### OUTPUT SPECIFICATION

Output Power	Convection/Fan	110W/200W
Hold-Up Time	115V/230V	10ms/15ms
Voltage Set Point Accuracy	V1	±1%
Line Regulation	Low line to high line	±1%
Load capacitance	Max permissible	3000μF
Load Regulation 50% to full load	V1	±1%
Transient Response 50% to full load	Voltage deviation Recovery time	7%,max <5ms
Ripple and Noise		1%
Output Overshoot	Turn On	<5%
Output rise time		<20ms
OVP		Redundant feed back type
Overload Protection	Primary hiccup	210 to 260W
Short Circuit Protection	Auto Recovery <6s	Short Term
Power Fail Signal <sup>2</sup>	TTL active low	1ms warning
Power Good Signal <sup>2</sup>	Delay after V1 high	0.1s to 1s
Remote Sense	Line Compensation	500mV
Remote on/off	TTL open collector	Yes

### EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B,CISPR22-B, FCC Part 15 Class B, EN50082-1
Harmonic Correction	EN61000-3-2Class A&D
Agency Approval	VDE , UL, c-UL,NEMKO
Safety Standard	IEC60950, EN60950,UL60950, CSA ,C22.2 No. 60950 Class 1 SELV
Safety File Number	UL: E136019

### INPUT CONNECTOR J1

Pin1	Neutral
Pin2	Line

### INPUT SPADE CONNECTOR

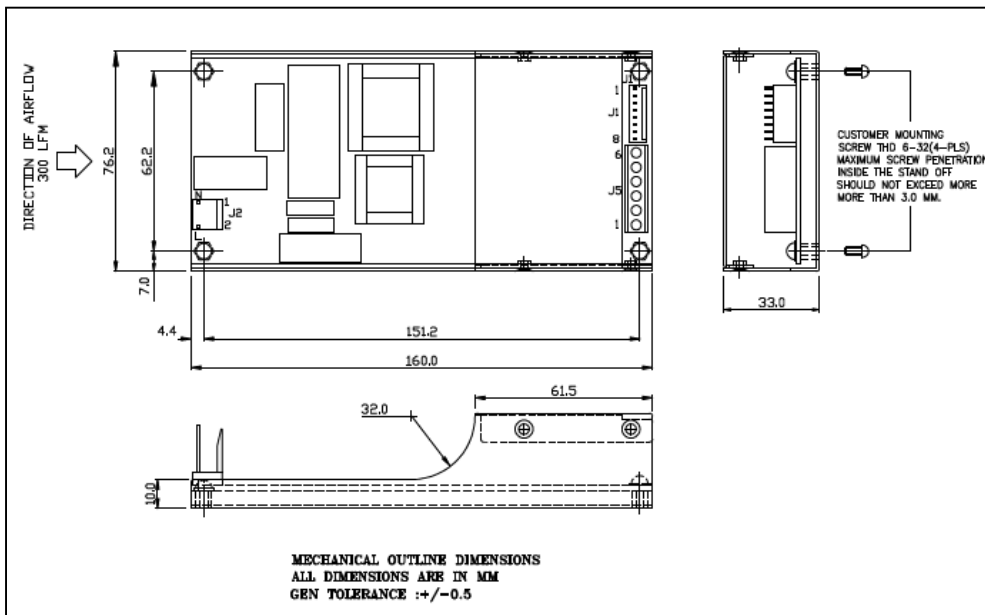
GND	AC Ground
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### OUTPUT CONNECTOR J3

	Single Output
Pin1	No connection
Pin2	No connection
Pin3	Power Fail
Pin4	Common
Pin5	-V1 Sense
Pin6	+V1 Sense
Pin7	No connection
Pin8	Remote on /Off

### OUTPUT CONNECTOR J2

	Single Output
Pin1	Vsp
Pin2	+V1
Pin3	Dc Return
Pin4	Dc Return
Pin5	+V1
Pin6	Dc Return



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Sure....

**Paul Scholz**

VP N.A. Sales

EOS Power India

*Innovation by Design*

*Home of the EOS brand Power Supplies*

*Designed like no other*

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**PLEASE VISIT OUR NEW WEBSITE AT [www.eospower.com](http://www.eospower.com)**

**To better serve you please take note below and contact the following EOS Power personnel:**

For Sales Orders : [Orders@eospower.com](mailto:Orders@eospower.com),

For RMA`s : [RMA@eospower.com](mailto:RMA@eospower.com)

For any shipping and expedite request's etc :

[Anand.Sahasrabudhe@eospower.com](mailto:Anand.Sahasrabudhe@eospower.com), and [Tharunbabu.koorma@eospower.com](mailto:Tharunbabu.koorma@eospower.com)

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**From:** Kevin Jackson [mailto:Kevin.Jackson@alliedelec.com]

**Sent:** Monday, April 09, 2012 1:55 PM

**To:** Paul Scholz

**Subject:** RE: Need Product Information

Hi Paul,

What about the "L", should I drop that too?

Kevin

Kevin Jackson | **Allied Electronics**

Content Manager

Ft. Worth, TX

Phone:

817-595-8636 (77636)

Fax:

817-595-8508 (77508)

Web:

<http://www.alliedelec.com>

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**From:** Paul Scholz [<mailto:paul.scholz@eospower.com>]

**Sent:** Monday, April 09, 2012 1:52 PM

**To:** Kevin Jackson

**Subject:** RE: Need Product Information

LF just means Lead Free but all our parts are Lead Free, so drop the F and then you can find it in our catalog. You can call it up anyway in yours.

Paul

**Paul Scholz**

VP N.A. Sales

EOS Power India

Innovation by Design

Home of the EOS brand Power Supplies

Designed like no other

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**To better serve you please take note below and contact the following EOS Power personnel:**

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For RMA's : [RMA@eospower.com](mailto:RMA@eospower.com)

For any shipping and expedite request's etc :

[Anand.Sahasrabudhe@eospower.com](mailto:Anand.Sahasrabudhe@eospower.com), and

[Tharunbabu.koorma@eospower.com](mailto:Tharunbabu.koorma@eospower.com)

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**From:** Kevin Jackson [<mailto:Kevin.Jackson@alliedelec.com>]

**Sent:** Monday, April 09, 2012 10:37 AM

**To:** Paul Scholz

**Subject:** Need Product Information

Hi Paul,

I have a lot of part numbers that start with LF and I can't find any datasheets with part numbers that start with LF.

Please explain.

Kevin

Kevin Jackson | **Allied Electronics**

Content Manager

Ft. Worth, TX

Phone:

817-595-8636 (77636)

Fax:

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Web:

<http://www.alliedelec.com>

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