

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. 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 | $\pm 1\%$ |
| Line Regulation | Low line to high line | $\pm 1\%$ |
| Load capacitance | Max permissible | 3000 μ F |
| Load Regulation 50% to full load | V1 | $\pm 1\%$ |
| 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 ² | TTL active low | 1ms warning |
| Power Good Signal ² | Delay after V1 high | 0.1s to 1s |
| Remote Sense | Line Compensation | 500mV |
| Remote on/off | TTL open collector | Yes |

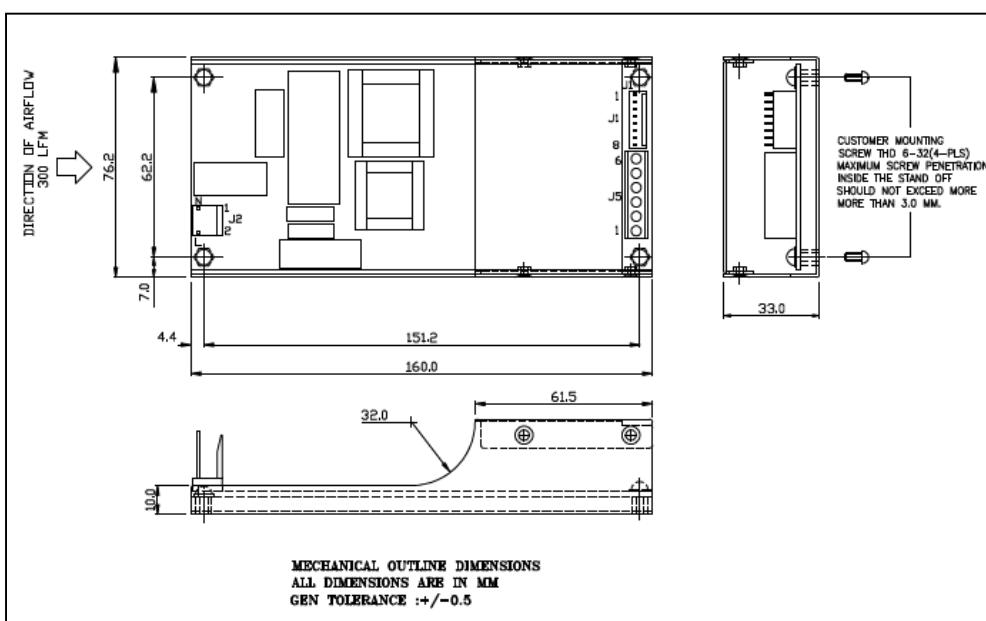
| EMC AND SAFETY SPECIFICATIONS | |
|-------------------------------|--|
| CE Mark | Complies with the LVD |
| EMC | EN5022-B,CISPR22-B, FCC Part 15 Class B, EN50082-1 |
| Harmonic Correction | EN61000-3-2 Class A&D |
| Agency Approval | VDE , UL, c-UL,NEMKO |
| Safety Standard | IEC60950, EN60950,UL60950, 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 |

| 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 |



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. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



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

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For any shipping and expedite request's etc :

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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

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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

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

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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

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