

EOS V-Series

OPEN-FRAME POWER SUPPLIES

VLT100 Series

Single and multiple output 100W open-frame AC-DC power supplies

Big power, small size.

That is the best way to describe the EOS VLT100 Series of open frame power supplies. With a footprint the size of a standard 60-watt power supply, and power densities of almost 7 watts per cubic inch, it is the smallest and most efficient 100-watt power supply in the world.



The VLT100 Series of power supplies has efficiencies greater than 85 percent. That is a new industry standard. Add to that the availability of single or multiple output models, and various voltage options, and you have the best solution for all your power supply needs. Used by OEMs for point-of-sale, data networking, computer peripherals, touch screen displays, telecommunications, medical equipment, and industrial products, the VLT100 Series is optimal for any application.

With popular features such as convection cooling and a high MTBF, the EOS VLT100 Series of open frame power supplies is the favorite among OEMs worldwide. Measuring just 3" x 5" x 1", the VLT100 Series is the most densely packaged power supply available in the world today.

FEATURES :

- **Very High Efficiency:** above 85%
- **High Power Density:** almost 7 watts/inch³
- **Ultra Miniature Size:** 3.0" x 5.0" x 1.0"
- **Lightweight:** only 10 ounces
- **Universal Input:** 90-264 VAC
- **FCC & CISPR Class B EMI filter**
- **Over Current Protection (OCP)**
- **Operating Temperature:** 0 to 50°C
- **Convection Cooled**
- **Reliability:** MTBFs above 200,000 hours
- **Meets Worldwide Safety Standards**
- **CE marked**

APPLICATIONS :

- **Point of Sale equipment**
- **Computer peripherals**
- **Touch Screen displays**
- **Data Networking equipment**
- **Telecommunications**
- **Industrial control**
- **Medical**
- **Other electronic OEMs**



Highest Density
Smallest Size
Most Efficient

EOS V-Series

SPECIFICATIONS

VLT100 Series

INPUT

AC Input	90 to 264 VAC
Efficiency	Greater than 85%
Input Frequency	47–63 Hz

OUTPUT

Output Power	100W, continuous
DC Output Voltage/Current	Refer to voltage/current charts
Hold-Up Time	10 milliseconds at full load, 115VAC
Line Regulation	0.3%, over entire operating range
Load Regulation	1%, on V1, 5% on V2, V3 & V4, from minimum to maximum load
Output Protection	Overvoltage and short circuit protection
Ripple and Noise	50mV on 5V, from 100mV to 150mV on 12V, 15V, 24V outputs
Turn-on Delay	5 seconds Max at 120VAC

ENVIRONMENTAL

Operating Temperature	0 to 50°C at full rated output power
Storage Temperature	-40°C to +85°C
Humidity	5 to 95%, non-condensing
Cooling	Convection

EMI AND SAFETY

EMI/RFI	Conducted: CISPR 55022 & CISPR 55014, Class B, FCC Part 15, Class B
Leakage Current	500uA, maximum
CE Mark	Full compliance with LVD and EMC directives
Safety Standards	Meets worldwide safety standards; IEC950, EN60950, UL1950 Class 1, SELV
AGENCY APPROVALS	UL,c-UL, VDE
MTBF	200,000 hours at 25°C minimum

MECHANICAL

Dimensions	3.00" x 5.00" x 1.02"
Weight	10 ounces maximum
AC Input Connector	Molex 3 position, 0.156 center header
DC Output Connector	Molex 12 position, 0.156 center header

OUTPUT VOLTAGE/CURRENT RATING CHART

Model Number	Number of Outputs	Output Number	Output Voltage	Maximum Current
VLT100-1001	1	V1	12V	7.5A
VLT100-1002	1	V1	15V	6.7A
VLT100-1003	1	V1	24V	4.2A
VLT100-1004	1	V1	48V	2.1A
VLT100-4000	4	V1	5V	12.0A
		V2	12V	4.0A
		V3	-5V	0.8A
		V4	-12V	0.8A
VLT100-4001	4	V1	5V	12.0A
		V2	24V	2.0A
		V3	-12V	0.8A
		V4	12V	0.8A
VLT100-4002	4	V1	5V	12.0A
		V2	15V	3.0A
		V3	15V	0.8A
		V4	5V	0.8A
VLT100-4003	4	V1	5V	12.0A
		V2	12V	4.0A
		V3	-12V	0.8A
		V4	24V	0.8A



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Smallest Size
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