

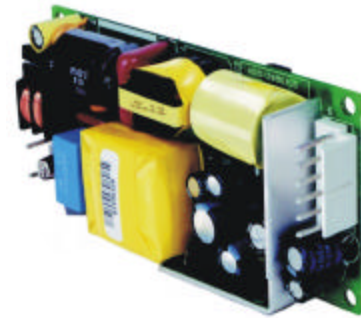
Single and triple output 40W open-frame AC-DC power supplies

## Smallest 40W Available.

The EOS VLT40 Series is the smallest, most efficient 40-watt open-frame power supply available. And you'd expect nothing less from the technology leader in AC/DC switching power supplies. The VLT40 underscores EOS' commitment to produce the smallest, most efficient and highest current density power supplies for the computing, communications and medical OEMs. The VLT40 packs over 5 watts per cubic inch in a 2" x 4" x 1" space. Nothing else comes close.

The lightweight, compact design of the single and triple output VLT40 Series makes it ideal for today's increasingly smaller and more portable applications including computers and peripherals, touch screen displays, and point of sale equipment. Additionally, the 3.3V output meets the needs of newer chip sets with mixed-mode logic for telecommunication and data networking products.

High MTBFs and worldwide safety approvals tell the story of a quality product. Ultra-miniature size, efficiencies exceeding 83%, a high current density, and superior quality all make the EOS VLT40 Series the 40-watt open-frame switcher of choice among OEMs worldwide.



### FEATURES:

- Very High Efficiency: 83% typical
- High Power Density: over 5 watts/inch<sup>3</sup>
- Ultra Miniature Size: 2" x 4" x 1"
- Lightweight: only 6 ounces
- Auto Select Input: 90-132VAC/180-264 VAC
- Over Current Protection (OCP)
- Operating Temperature: 0 to 50° C
- Convection Cooled
- Reliability: MTBFs above 100,000 hours
- Meets Worldwide Safety Standards
- CE Marked

### APPLICATIONS:

- Telecommunications
- Data Networking Equipment
- Computer Peripherals
- Touch Screen Displays
- Point of Sale Equipment
- Industrial Control
- Other Electronic OEMs



Highest Density  
Smallest Size  
Most Efficient

# EOS V-Series

## SPECIFICATIONS

# VLT40 Series

### INPUT

AC Input	90 - 132 VAC and 180 - 264 VAC, auto ranging
Efficiency	83% typical
Input Frequency	47-63 Hz

### OUTPUT

Output Power	40W continuous
DC Output Voltage/Current	Refer to voltage/current charts
Hold-Up Time	6 milliseconds at full load, 115VAC
Line Regulation	0.3%, over entire operating range
Load Regulation	0.5% on V1, 5% on V2 & V3, from min. to max. load
Output Protection	Overcurrent and short circuit protection
Ripple and Noise	50mV or 1% of Vnominal, whichever is greater
Turn-on Delay	4 seconds max at 115VAC

### ENVIRONMENTAL

Operating Temperature	0 to 50°C at full rated output power
Storage Temperature	-40°C to +70°C
Humidity	5 to 95%, non-condensing
Cooling	Convection

### EMI AND SAFETY

EM/RFI	Conducted: CISPR 55024 & 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	100,000 hours at 25°C minimum

### MECHANICAL

Dimensions	2.00" x 4.00" x 1.07"
Weight	6 ounces maximum
AC Input Connector	Molex 3 position (ctr position voided), 0.156 ctr header
DC Output Connector	Molex 6 position, 0.156 center header

### OUTPUT VOLTAGE/CURRENT RATING CHART

Model Number	Number of Outputs	Output Number	Output Voltage	Maximum Current
VLT40-1200	1	V1	5V	8.0A
VLT40-1201	1	V1	12V	3.5A
VLT40-1202	1	V1	15V	2.7A
VLT40-1203	1	V1	24V	1.7A
VLT40-3200	3	V1	5V	6.0A
		V2	12V	2.0A
		V3	-12V	0.5A
VLT40-3201	3	V1	5V	6.0A
		V2	24V	1.0A
		V3	-12V	0.5A
VLT40-3202	3	V1	5V	6.0A
		V2	15V	1.5A
		V3	-15V	0.5A
VLT40-3203	3	V1	3.3V	6.0A
		V2	5V	3.0A
		V3	-12V	0.5A



Highest Density  
Smallest Size  
Most Efficient

Consult your local representative or the factory for custom requirements or modifications to standard products. Specifications are subject to change without notice.

