

EOS V-Series

OPEN-FRAME POWER SUPPLIES

MVLT60 Series

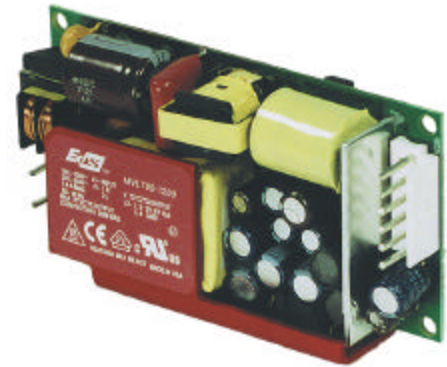
Medically certified single and multiple output 60W open-frame AC-DC power supplies

Medically certified, smallest footprint.

The EOS MVLT60 Series of open-frame power supplies is medically certified with an ultra-miniature footprint, high power density, and exceptional efficiency. At just 2" x 4" x 1", with a power density of 7.5 watts per cubic inch, it is the smallest and most efficient 60-watt switcher in the world.

The EOS MVLT60 Series of open-frame switchers has efficiencies exceeding 85 percent and is available in single or multiple output options and various voltages, making the MVLT60 Series the optimal solution for all your power supply needs. The MVLT60 Series is the switcher of choice among OEMs worldwide for hospital data systems, health care information systems, touch screen displays, dental equipment, outpatient equipment, and medical research equipment.

With high power density, excellent efficiency, and popular features such as convection cooling and a high MTBF, it is no wonder the EOS MVLT60 Series is setting new industry standards. Measuring smaller than a deck of cards, the MVLT60 Series is no gamble. It is the most densely packed power supply available in the world today.



FEATURES:

- Very High Efficiency: above 85%
- High Power Density: 7.5 watts/inch³
- Ultra Miniature Size: 2" x 4" x 1"
- Lightweight: only 6 ounces
- Input Voltage: 90 - 132 / 180 - 264 VAC
- FCC & CISPR Class B EMI filter
- Operating Temperature: 0 to 50° C
- Convection Cooled
- Reliability: MTBFs above 100,000 hours
- Meets EN60601, IEC601, UL2601 standards
- CE Marked

APPLICATIONS:

- Hospital Data Systems
- Health Care Information Systems
- Touch Screen Displays
- Dental Equipment
- Outpatient Equipment
- Medical Research Equipment
- Other Non Patient Connect Medical Equipment



Highest Density
Smallest Size
Most Efficient

EOS V-Series

SPECIFICATIONS

MVLT60 Series

5INPUT

AC Input	90 - 132 and 180 to 264 VAC, single phase, auto select
Efficiency	Greater than 85%
Input Frequency	47-63 Hz

OUTPUT

Output Power	60W 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% (V1)
Output Protection	Overvoltage, over current, 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 11 & CISPR 14 Class B, FCC 47 CFR Part 15, Class B
Leakage Current	250uA, maximum
CE Mark	Full compliance with LVD and EMC directives
Safety Standards	Meets worldwide safety standards: IEC601, EN60601, UL2601 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, 0.156 center 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
MVLT60-1200	1	V1	5V	10.0A
MVLT60-1201	1	V1	12V	5.0A
MVLT60-1202	1	V1	15V	4.0A
MVLT60-1203	1	V1	24V	2.5A
MVLT60-3200	3	V1	5V	8.0A
		V2	12V	3.0A
		V3	-12V	0.5A
MVLT60-3201	3	V1	5V	8.0A
		V2	24V	1.5A
		V3	-12V	0.5A
MVLT60-3202	3	V1	5V	8.0A
		V1	15V	2.5A
		V3	-15V	0.5A
MVLT60-3203	3	V1	3.3V	8.0A
		V1	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.

