

MT-VCT-480VAC-150KVA-500VDC-N12

150 KVA AC to DC Rectifier - 480V AC to 500V DC - NEMA 12

Product ID: 336558



Image: MT-VCT-480VAC-150KVA-500VDC-N12

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MT-VCT-480VAC-150KVA-500VDC-N12 AC to DC Converter

Unit Type: AC to DC Converter

Dimensions: 70.9"-H, 48.43"-W, 25"-D

Weight: 2467 lbs

Input Voltage: 480V AC $\pm 10\%$

Input Frequency: 60 Hz

Output Power: 150 KVA

Output Voltage: 500V DC $\pm 5\%$

Maximum Fluctuation: $\pm 2\%$

Minimum Power Factor: 0.8

Fluctuation Without Connecting Battery: $\pm 1\% V_n$

Equalizing Timer: 0-24 Hrs

Undervoltage Protection: Included

DC Digital Voltmeter: Included, 1.5% precision

AC Digital Voltmeter: Included, 1.5% precision

Equalizing Voltage Adjustment: Included

Floating voltage adjustment: Included

Auto/Manual Control For Equalizing Voltage: Included

Protection Level : NEMA 12

Cable Entry: Bottom Entry

Operating Temperature: -10 / +40 °C

Relative humidity : 5 - 90 %

Operating Altitude: Max.9850ft

Noise Level: Max. 60 dBA

Ratings/Features

IP20NEMA 12 Rated

Natural Forced Cooling

Compatible with MasterBus

V6 HF Switch Mode

Complies with EN 50091-2 (EMC)

Complies with EN 50091-1 (Security)

LED Display

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics MT-VCT-480VAC-150KVA-500VDC-N12 AC to DC converter converts AC input to DC output in industrial sites. This power converter is rated at 150 KVA continuous and offers 480V AC input and 500V DC output. The NEMA 12 rated device offers the following protective features: short circuit, overload, over temperature, high battery and low battery.

The MT-VCT-480VAC-150KVA-500VDC-N12 provides a safe and effective way for users to tap into and utilize 480V AC voltage to be converted to 500V DC. Rated at 150 KVA (continuous), this true sine wave unit can be operated with low voltage 480V AC input voltage and 500V DC output voltage. The transformer provides short circuit, overload, over temperature, high battery and low battery protection. Peak wattage for this unit is 150 KVA (short-term use only, not for extended periods). The recommended battery capacity is 850aH minimum.

This AC to DC transformer offers a -10°C to 40°C operating temperature range. The unit has a 92% conversion efficiency and is Master-Bus compatible. Cooling is facilitated by natural and forced mechanisms.

Wiring/Connections: AC connections can be completed inside the unit. This inverter accepts 70 mm² minimum cable size.

Mounting: The MT-VCT-480VAC-150KVA-500VDC-N12 caters to surface and wall mounting applications via openings on the back of the transformer.

Applications: Voltage rectification, power conversion, AC to DC transformer, AC to DC conversion, solar-powered systems, power supply, engine rooms and more.

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Frequently Asked Questions (FAQ)

There are no Faqs