

AETES

750V DC/DC Converter 1kW

Fanless Free Air Convection

Wide Temperature Range

Three Year Warranty

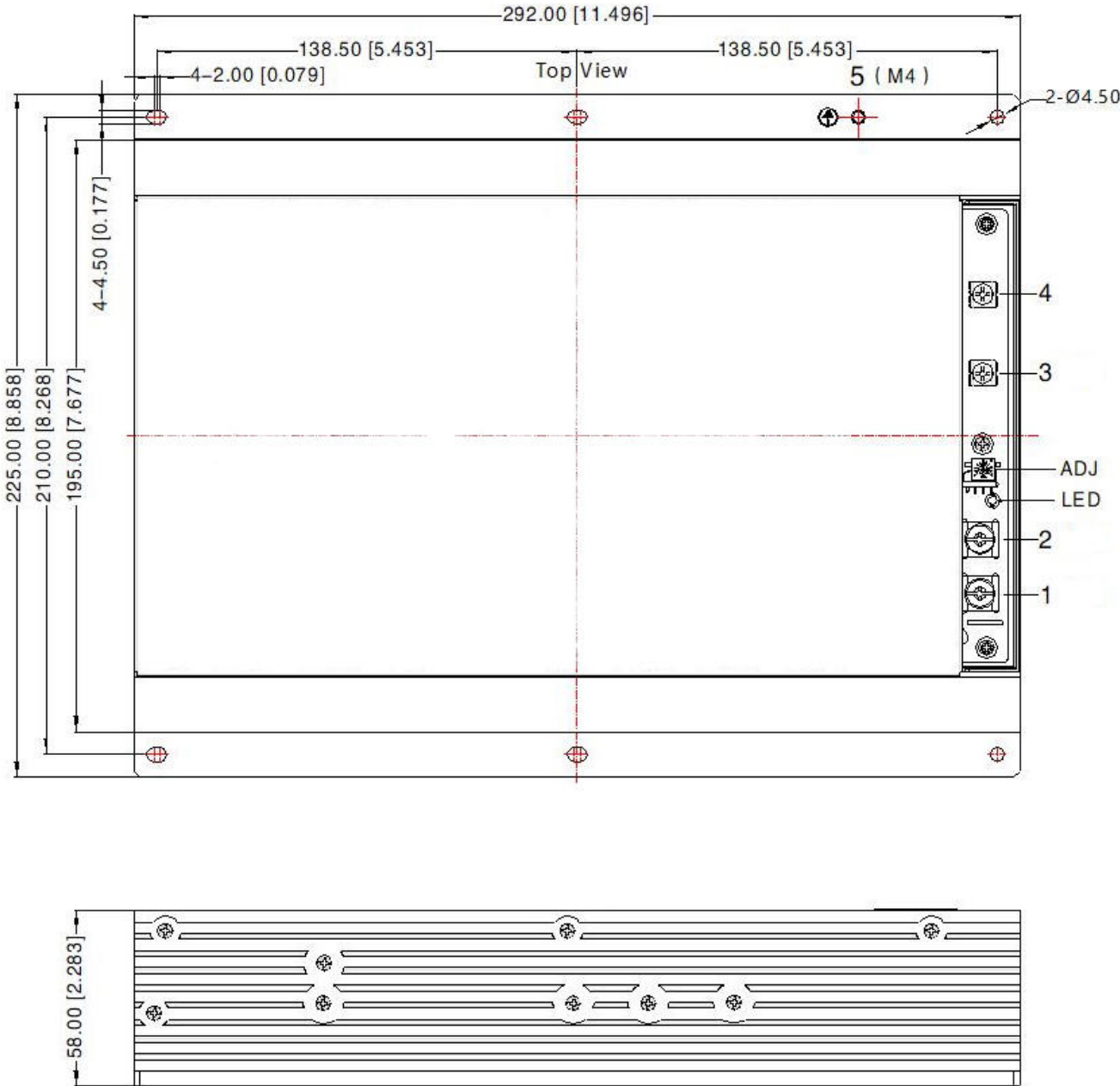


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Specification

| ITEMS | MODEL | CSW-750-024-1K0 | CSW-750-048-1K0 |
|-----------------------------------|-------|--|--------------------------------|
| Input Voltage Range | | 750VDC (500V...1000V DC) | |
| Output Power Rating | | 1000 Watt | |
| Output Voltage | | 24VDC (Adjustable $\pm 10\%$) | 48VDC (Adjustable $\pm 10\%$) |
| Max. Output Current (DC) | | 40 Amp | 20 Amp |
| Input Current (Max.) (750VDC) | | 2A (Cold Start Inrush; 300A) | |
| Over Current Protection | | >110% (Auto-recovery) | |
| Over Voltage Protection | | 110% (Max. 60 sec) | |
| Output Short Circuit Protection | | Yes (Auto-recovery) | |
| Hold Up Time (Typ.) | | 12ms at 750VDC | |
| Efficiency (Typ.) | | 93% | |
| Load Regulation (0%-100% load)) | | $\pm 2.0\%$ | |
| Line Regulation (max.) | | $\pm 1.0\%$ | |
| Ripple Noise (max.) | | 300mV | |
| Output Voltage Accuracy | | $\pm 1.0\%$ | |
| Switching Frequency | | 65 kHz | |
| Parallel Operation | | Up to 2 Unit | |
| Over Temperature Protection | | Yes | |
| Operating Temperature | | -40°C to +70°C, derating linearly to 70% load above +55°C | |
| Storage Temperature | | -40°C to +85°C | |
| Humidity (non condensing) | | 10-95%RH non operating | |
| Cooling | | Free Air Convection | |
| Enclosure Material & Color | | Metal / Anthracite Grey (RAL7016 Texture) | |
| Vibration and Shock Compatibility | | EN61373 - Category 1, Class B | |
| MTBF | | MIL-HDBK-217F@25°C $\geq 300,000$ h | |
| Isolation (1 min.) | | Input to Ground 4000VAC, Input to Output 4000VAC, Output to Ground 4000VAC | |
| Insulation Resistance | | >50M Ω at 25°C & 70%RH, Output to Ground 500VDC | |
| Immunity Compatibility | | EN61000-4 , -2 , -3 , -4 , -5 , -8 | |
| Safety Compatibility | | EN62109-1 | |
| EMI Compatibility | | EN55032 FCC Class A | |
| Weight (Typ.) | | 4,0 kg | |
| Size (D x W x H) | | 225 x 292 x 60 mm | |
| Warranty | | 3-Year | |

Drawing



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