

AETES

600V DC/DC Converter 1kW

Fanless Free Air Convection
Wide Temperature Range
Three Year Warranty

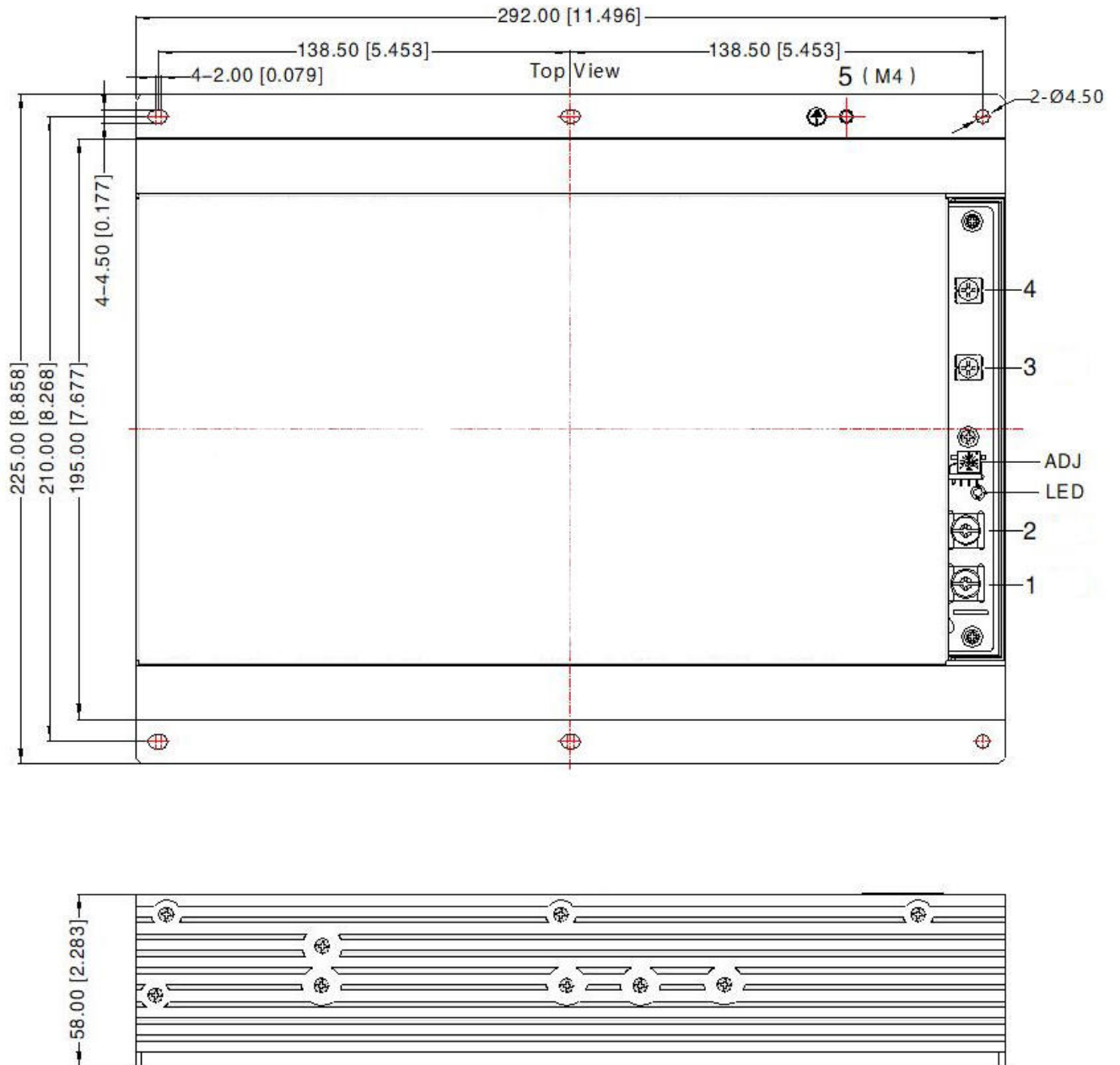


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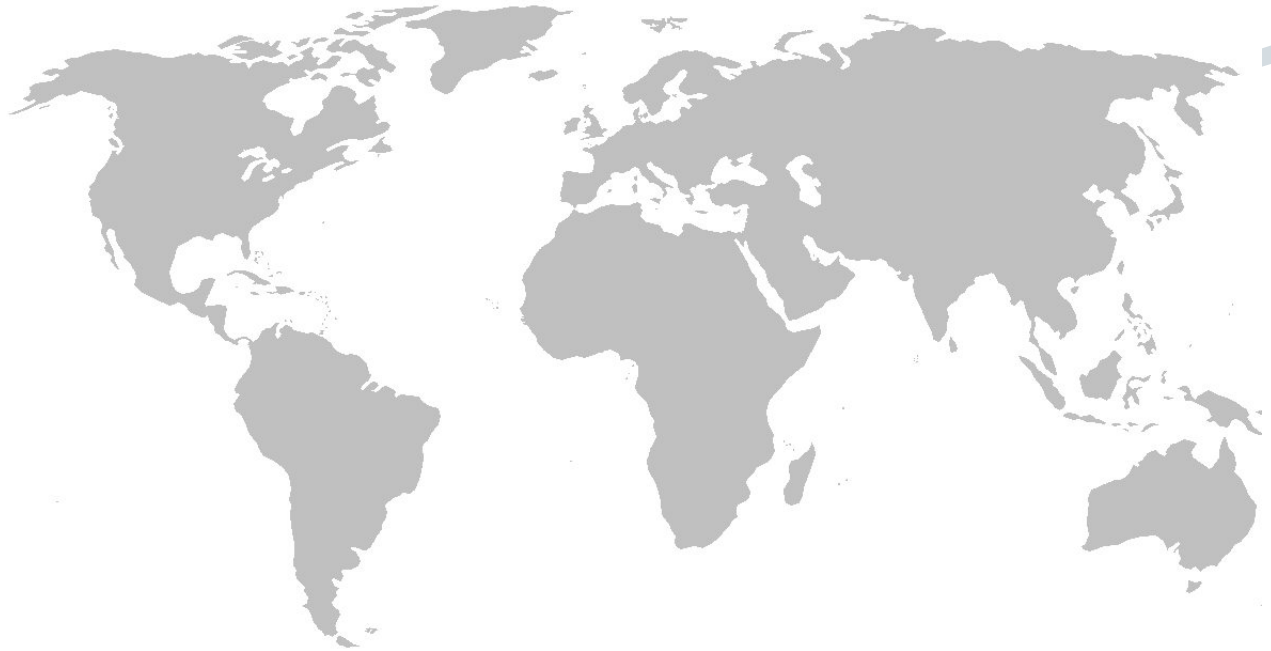
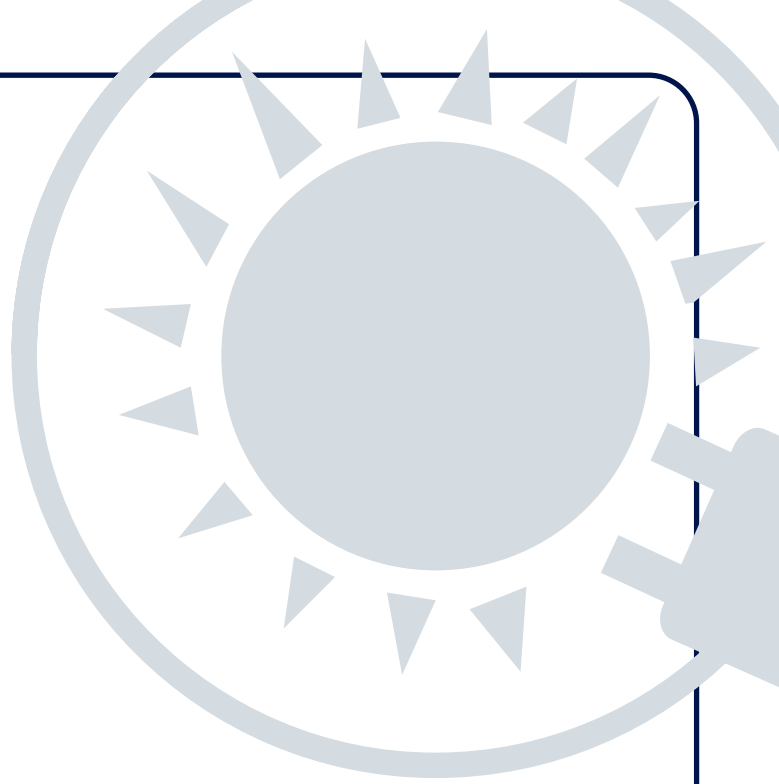
Specification

ITEMS	MODEL	CSW-600-024-1K0	CSW-600-048-1K0
Input Voltage Range		600VDC (300V...900V 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.) (600VDC)		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 600VDC	
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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