

AETES

600V DC/DC Converter 480W

Automation Compatible I/O Ports
Double-Side Conformal Coat
Wide Temperature Range



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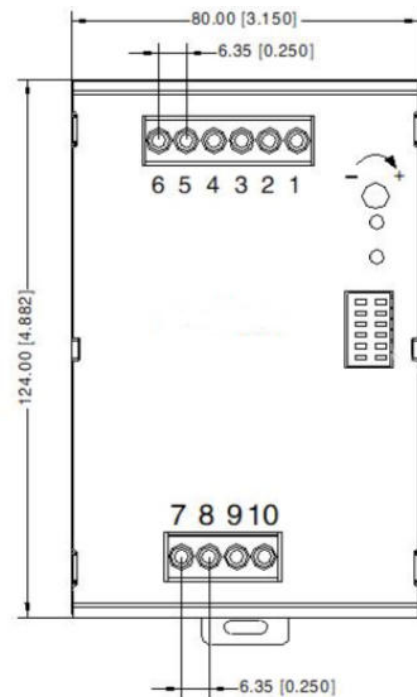
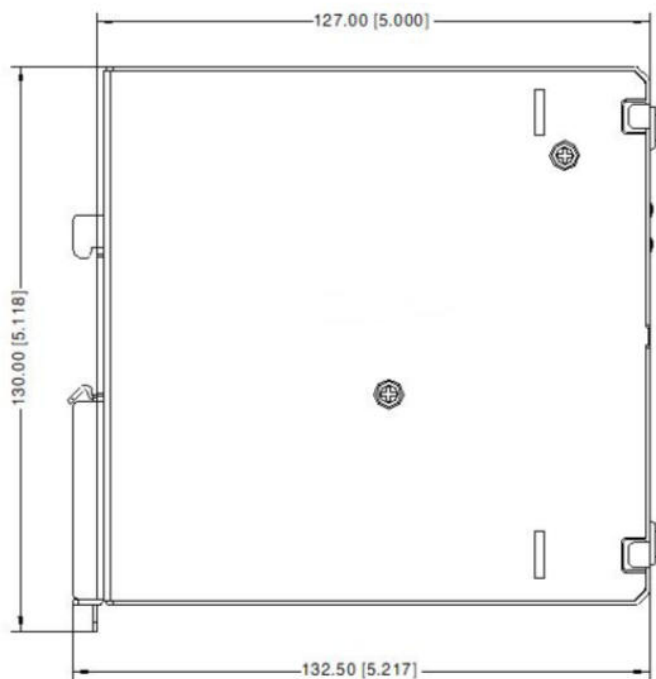
Specification

ITEMS	MODEL	CRS-600-024-480	CRS-600-048-480
Output Voltage		24VDC	48VDC
Max. Output Current (DC)		20A (480 Watt)	10A (480 Watt)
Input Voltage Range		600V DC (450V...800V)	
Input Rated Current (600V DC)		1A	
Inrush Current		Typ. 1.3A (Max. 10A)	
Overcurrent Protection		Constant current style >150%	
Overvoltage Protection		125% -140%	
Over temperature Protection		Yes	
Hold Up Time (Typical)		22ms	
Efficiency (100% Load)		95%	
Load Regulation (max.)		120 mV	240 mV
Line Regulation (max.)		120 mV	240 mV
Ripple Noise (max.)		100 mV	
Output Voltage Accuracy		±1 %	
Remote On/Off		Yes	Yes
Output Voltage Adjustable Range		24V...28V	48V...56V
Enclosure Type		DIN-Rail, Metal, Conformal Coated	
Operating Temperature		-30°C to +70°C (derating linearly to 25% load above +60°C)	
Storage Temperature		-40°C to +85°C	
Humidity (non condensing)		10-95% RH operating, 20-90% RH non operating	
Cooling		Free Air Convection	
Withstand Voltage (One minute)		Input to Ground 2500VAC, Input to Output 400VAC, Output to Ground MIL-HDBK-217F@25 500VAC	
Isolation Resistance		>50MΩ at 25°C & 70%RH, Output to Ground 500VDC	
Vibration Compatibility		10-200Hz, 2g ; IEC60068-2-6	
MTBF		≥250,000h ; MIL-HDBK-217F@25	
Immunity Compatibility		EN61000-4-2/ -3/ -4/ -5/ -6/ -11	
Safety Compatibility		EN62368-1, EN61010-1, EN61010-2-201, UL508	
EMI Compatibility		EN55032-B, FCC Class B	
Weight (Typ)		1250g	
Dimensions		80 x 124 x 127 mm	
Warranty		3-year	

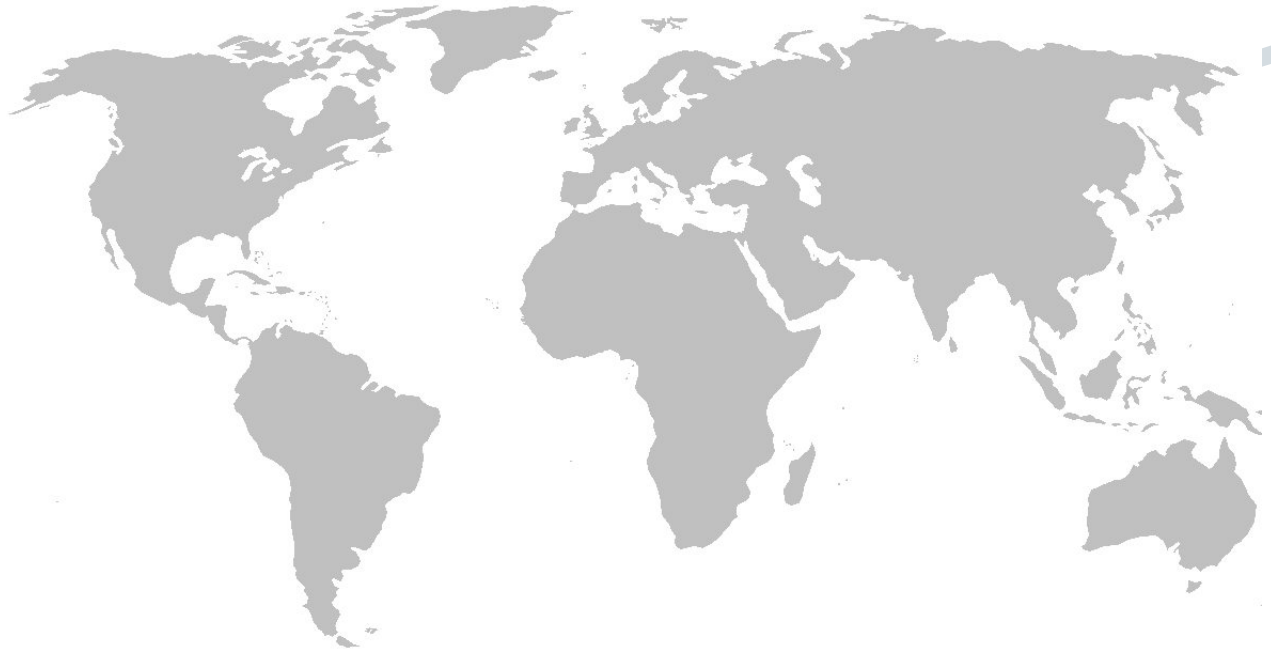
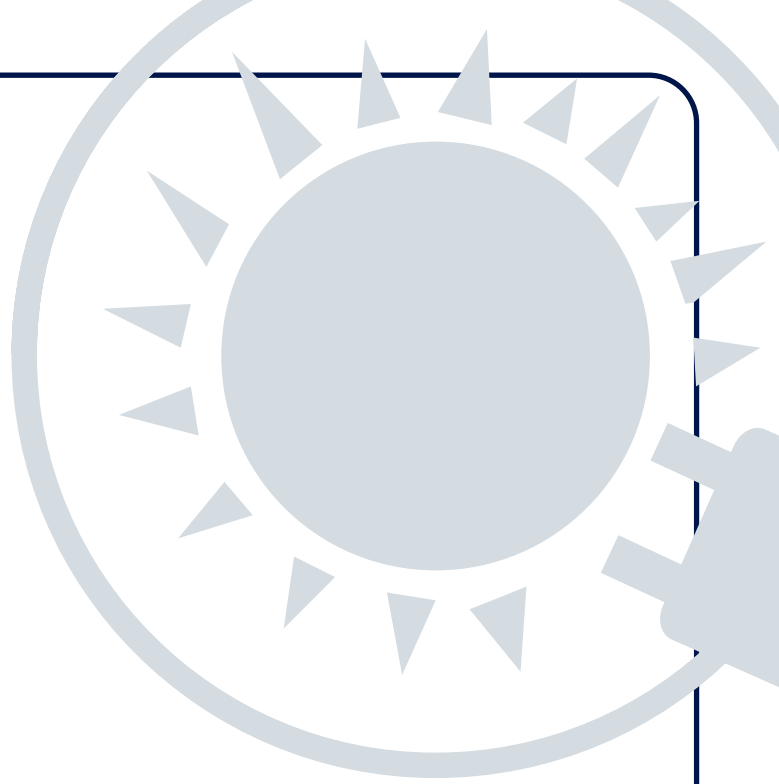
Features

- Wide Input Range (DC 450V...800V)
- Wide ambient temperature range, 60°C @ 100% load without derating
- High efficiency, high reliability
- DC-OK Relay Contact
- 150% peak power lasts for 4s
- Output short circuit, over-current, over-voltage, over-temperature, protection
- Supporting direct parallel use (2+1 current sharing)
- Double-sided Conformal Coating
- Remote Shutdown Control
- Operating altitude up to 5000m
- 3-Year Warranty

Drawing



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