

AETES

ERW DC/AC Inverter 450VA

Full-Load Range -40°C to 60°C

DIN-Rail / Chassis Mount

Five Years Warranty

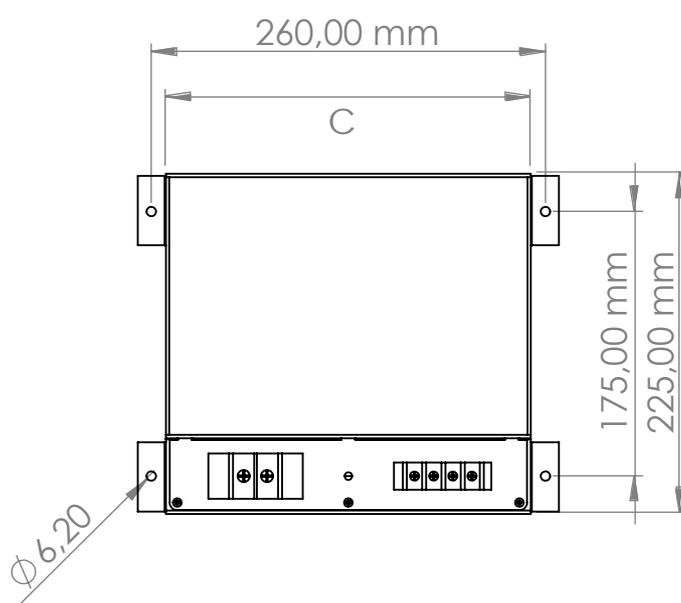
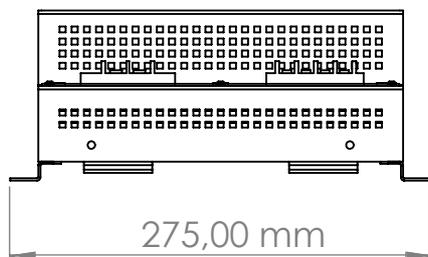
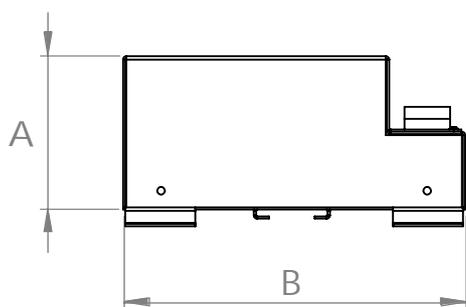
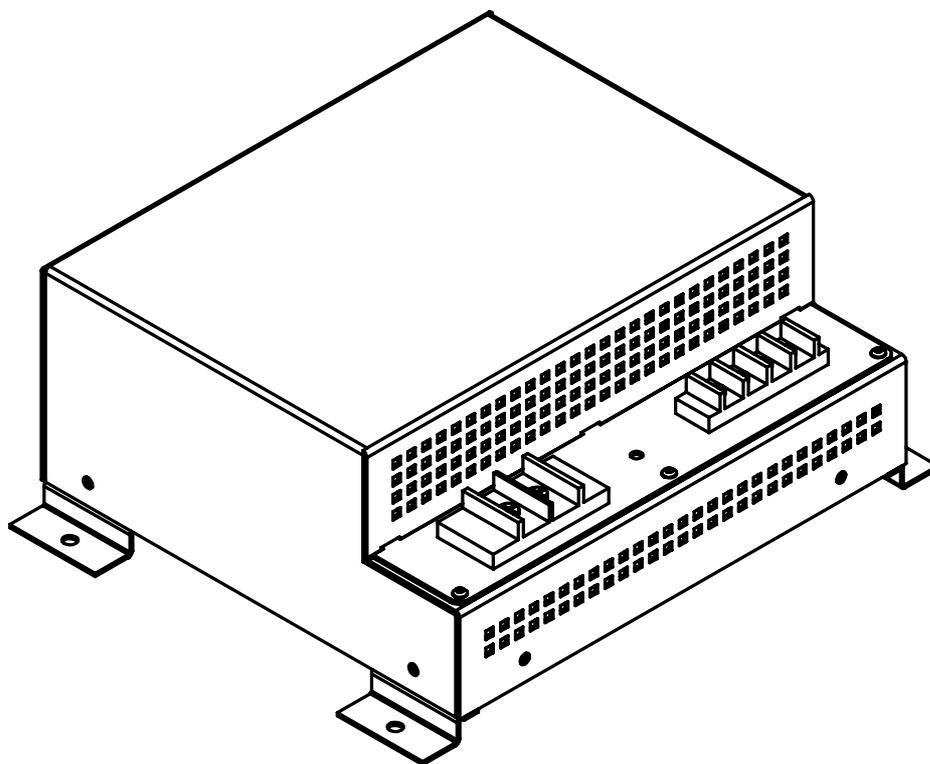


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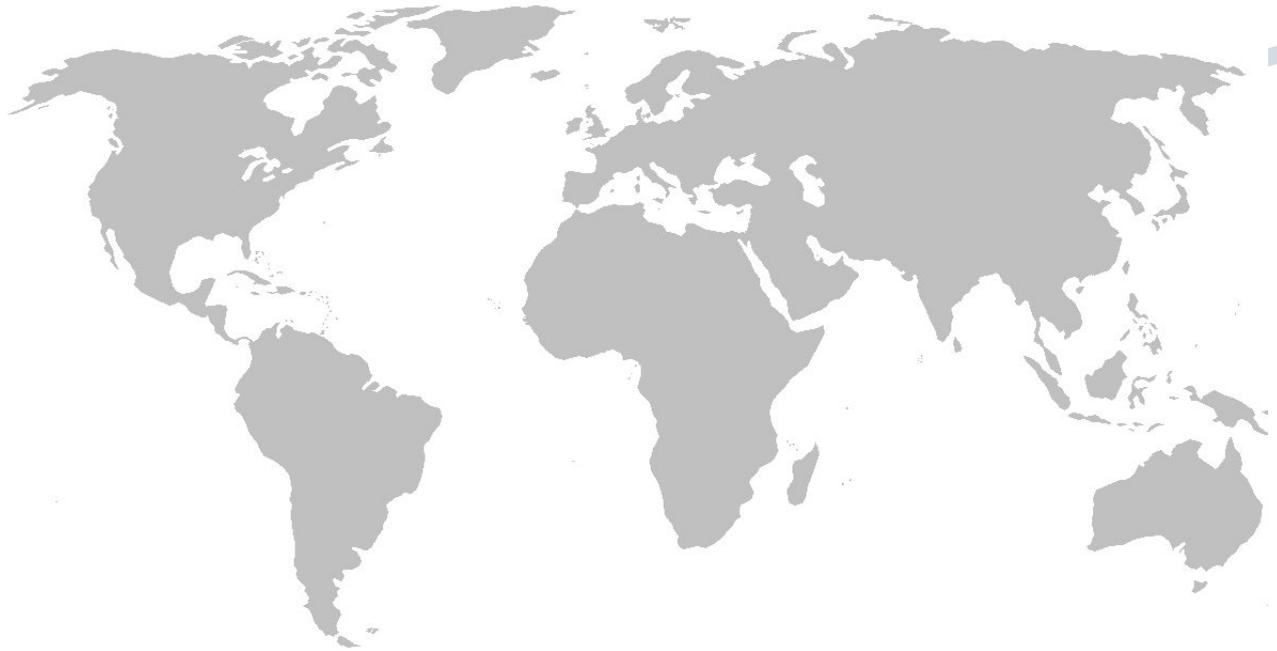
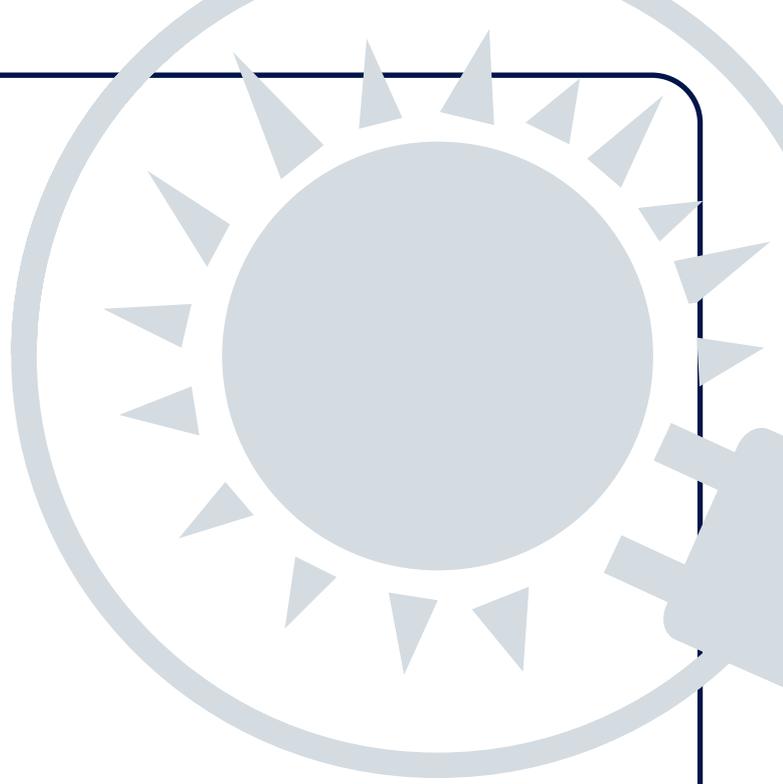
Specification

MODEL	ERW-110-1P2-450	ERW-220-1P2-450
ITEMS		
Input Voltage (Nominal / Range)	110VDC / 125VDC (80V...144V DC)	220VDC / 250VDC (160V...300V DC)
Output Voltage	1-Phase (P-N) 220VAC	
Output Frequency	50Hz / 60Hz (Switchable)	
Output Power Rating (max.)	450VA (450 Watt) (2 Amp)	
Input Over Voltage Protection	Yes	
Input Low Voltage Protection	Yes	
Output Over Load Protection	Yes	
Over Temperature Protection	Yes >+90°C	
Short-Circuit Protection	Yes	
Efficiency (Full Load, Nominal Vin)	88%	
Line Regulation (max.)	<±1%	
Load Regulation (max.)	<±1%	
THD Linear (max.)	<±2%	
Dry Contacts (Ready / Fault)	Optional	
Remote On/ Off	Yes	
Status Indicator LED	Yes	
Enclosure Material/ Color	Aluminum / Anthracite Grey (RAL7016 Texture)	
Cooling	Free Air Convection	
Operating Temperature	-40°C to +80°C (Derating linearly to 80% load above +60°C)	
Storage Temperature	-40°C to +100°C	
Humidity (Non Condensing)	20-90% RH operating and non operating	
Withstand Voltage (One Minute)	Input to Ground 2000VAC, Input to Output 2000VAC, Output to Ground 2000VAC	
Isolation Resistance	>100MΩ at +25°C & 90%RH, Input-Output-Ground 1000VDC	
Shock Compatibility	450m/s ² (3x 3D) 10ms	
Vibration Compatibility	EN61373 - Category 1, Class B	
Safety Compatibility	EN60950-1	
EMI Compatibility	EN55032 Class B	
Weight (typ)	4,8 kg	
Dimensions (mm)	A:100 B: 225 C: 240	
Warranty	5-YEAR	

Drawing



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The specifications, drawings and images indicated in this document are based on current information. All content is subject to modifications or additions. For more information on our local sales offices, visit us at our website below.