

AETES

ERK 110V DC/AC Inverter 4U

Operating Range -10°C to $+60^{\circ}\text{C}$

Power Boost of 200% for 30s

Pure Sine Wave 50/60 Hz

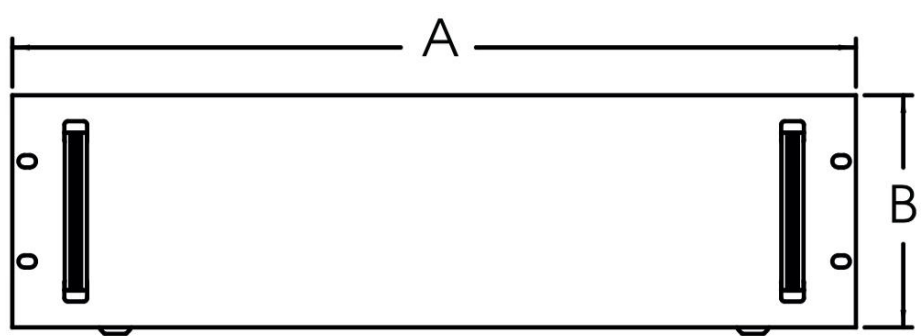
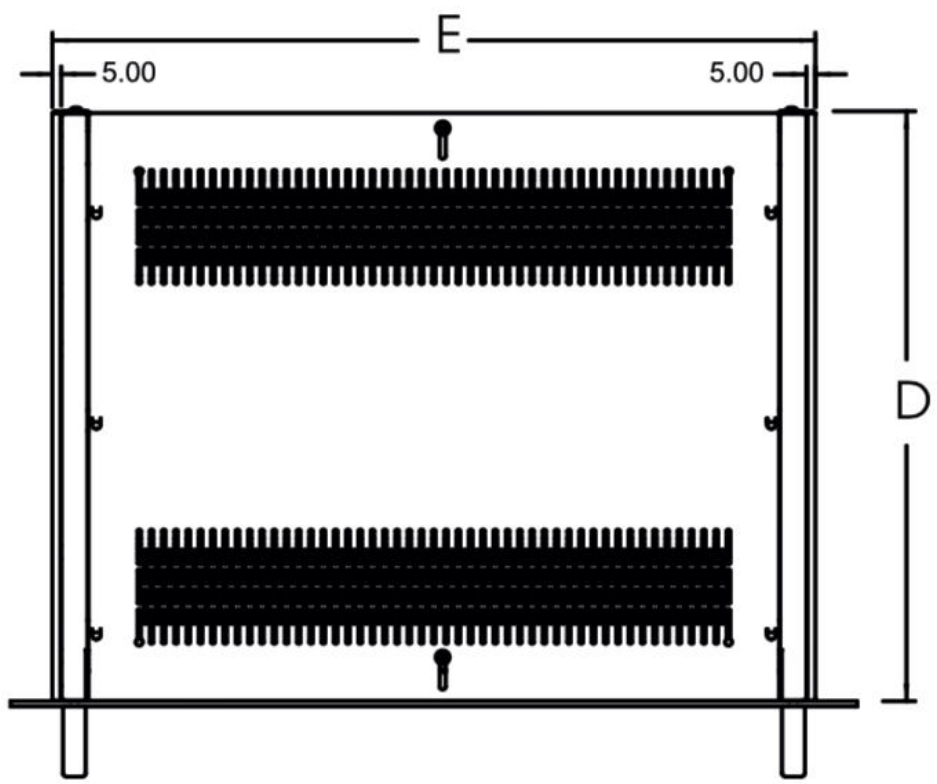


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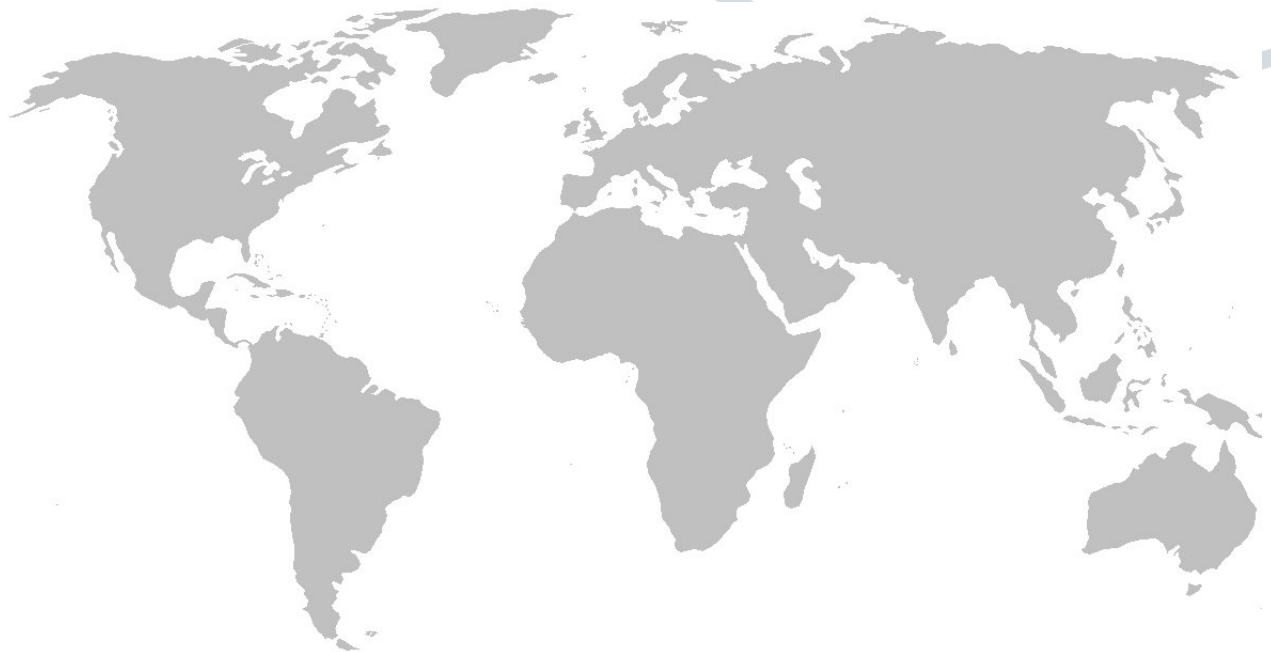
Specification

ITEMS	MODEL	ERK-120-1P3-2K0	ERK-120-1P3-3K0	ERK-120-1P3-4K0
Output Power [Continuous]		2000VA (2000W)	3000VA (3000W)	4000VA (4000W)
Output Power Boost Capability		4000W for 30 sec. at <25°C	6000W for 30 sec. at <25°C	8000W for 30 sec. at <25°C
Output Peak Capability		6000W for 1 sec.	9000W for 1 sec.	12000W for 1 sec.
Input Voltage Range		96V...144V DC		
Output Voltage		1-Phase (P-N) 100V/ 110V/ 115V/ 120V/ 127V/ 200V/ 208V/ 220V AC (Optional)		
Output Frequency		50Hz / 60Hz (Switchable)		
Input Reverse Polarity Protection		Yes		
Output Over Load Protection		Yes		
Over Temperature Protection		Yes >+80°C		
Short-Circuit Protection		Yes		
Efficiency Typ.		>85%		
Line Regulation (max.)		<±5%		
Load Regulation (max.)		<±2%		
THD Linear (max.)		<±5%		
Remote ON / OFF		Yes		
Status Indicator LED		Yes		
Remote Monitoring		TCP / MQTT (Optional)		
Soft Start		Customable 0 to 20 seconds (Optional)		
Enclosure Material / Color		Metal / Black & Anthracite Grey (RAL7016 Texture)		
Cooling		Internal Fan-Forced >+50°C		
Operating Temperature		-10°C to +60°C (Derating linearly to 50% load above +40°C)		
Storage Temperature		-40°C to +85°C		
Humidity (Non Condensing)		20-90% RH operating and non operating		
Withstand Voltage (One Minute)		Input to Ground 1500VAC, Input to Output 1500VAC, Output to Ground 1500VAC		
Isolation Resistance		>50MΩ at +25°C & 95%RH, Output to Ground 500VDC		
Safety Compatibility		EN60950-1		
EMI Compatibility		EN55032 Class B		
Weight (Typ)		20 kg	24 kg	28 kg
Dimensions		B:4U D:400 E:440 mm	B:4U D:450 E:440 mm	B:4U D:475 E:440 mm
Warranty		3-YEAR		

Drawing



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