



CONV-MAK Series Customised 800 kVA / 640 kW Frequency Converter

<http://www.mak-powersis.de/800-kva-frequency-converter.html>

INPUT	
Input Voltage	415 V AC Three Phase + Neutral (230 – 380V - 400V - 480 V AC Optional)
Input Voltage Tolerance	360V – 460V (Phase – Nötr) // (Wide Range Optional)
Input Frequency	50 Hz. (60Hz – 83Hz – 200Hz – 400Hz. Optional) / %5 Range
Input Connection	Suitable Terminal
Input Power Factor	0.99
OUTPUT	
Output Power	800 kVA & 640 kW
Output Voltage	480 V AC Three Phase + Neutral (230V – 380V - 400V – 415 – 690V AC Optional)
Output Voltage Tolerance	<u>+ %1</u>
Output Power Factor	<u>0.8</u>
Output Frequency	60Hz / (83Hz – 200Hz - 400Hz Optional)
Output Frequency Tolerance	%0.1
Over Load	% 101 - %125 Load 3 Min. % 126 - %150 Load 10 Sec. % 151 - Load Output Off in 0.1 Sec.
Efficiency	> %90 @ %100 Load
Output Connection	Suitable Terminal
GENERAL	
LCD Display	LCD Display: Input Voltage, Output Voltage, % Output Load, Output Frequency, Regulator Condition and Failure Info, Over Load, Over Temperature, Input Failure warning ext.
Emergency Stop Button	On the machine
Communication	Through a software support and “Remote Management System”, RS-232 Communication port, Optional Ethernet, the ability of monitoring and controlling
PROTECTION	
Output Voltage Protection	When output voltage, frequency, temperature, over current and short circuit the converter will be auto off will give signal from dry contact card.
Current Protection	1- Fuse protection with MCB at Input or Output 2 – Electronic Over Current Protection Via Microprocessors
Surge Arrester	Suitable Surge Arrester unit for lightning and high voltage (Optional)
RFI Filter / Harmonic Filter	RFI Filter / Harmonic Filter can be used to eliminate Input High frequency noises and Harmonic current (Optional)
Operating Temperature	0 oC ~ +40 oC
Altitude	< 2000 m
Humidity	% 90 non condensed
Acoustic Noise	< 60 dB
Dimension of Converter (WxDxH)	260cm x 82cm x 191cm (Max Dimensions) “Two pieces together”
Converter Weight	2600 kg (Max Weight)
Dimension of Trafo (WxDxH)	150cm x 120cm x 180cm (Max Dimensions)
Transformer Weight	1450kg
Chasis	Static Paint Protection, anti Rust Painting
Atmospheric Protection	IP20
Cooling	Natural Cooling with Fans