



3:3
PHASE

FREQUENCY CONVERTERS

160 - 800 kVA



3 LEVEL
FC



TOWER



EASY
SERVICE



BATTERY
CONNECTION



MARITIME



MEDICAL



TRANSPORTATION



INDUSTRY



TELE-
COMMUNICATIONS



SPECIAL PRODUCTS

FREQUENCY CONVERTERS

CNV Series 3 phase output frequency converters are completely microprocessor controlled products to provide quality energy to critical loads. It can provide energy at the frequency required by any device fed from the network.

It can be used in sectors where different and heavy conditions required and it can be specially designed for the input/output values you need.

- ♦ 3-Level IGBT Technology
- ♦ Multiprocessor Digital Control
- ♦ 256 detailed real-time event logs
- ♦ Data analysis via the user panel
- ♦ Battery connection feature
- ♦ RS232, RS485 communication port and dry contact outputs
- ♦ Special production input-output values according to needs
- ♦ Models with 3-phase output
- ♦ SNMP compatible communication
- ♦ Remote monitoring and management software

FREQUENCY CONVERTER CNV SERİSİ

MODEL	CNV 33160U1 CNV 33160U2	CNV 33200U1 CNV 33200U2	CNV 33250U1 CNV 33250U2	CNV 33300U1 CNV 33300U2	CNV 33400U1 CNV 33400U2	CNV 33500U1 CNV 33500U2	CNV 33600U1 CNV 33600U2	CNV 33800U1 CNV 33800U2
Nominal power (kVA)	160	200	250	300	400	500	600	800
General								
Technology	3-Level, Çift Çevrim Online VFI-SS-111							
Waveform	Sinusoidal							
Architecture	Stand Alone or Optional Parallel							
Input								
Input Voltage	380, 400, 415 Vac 3Ph+N+PE							
Input Frequency	50-60-400 Hz							
Voltage Tolerance (%100 load)	%(-20) %(+20)							
Voltage Tolerance (%50 load)	%(-36) %(+20)							
Input Power Factor	≥0,99							
Input Current Harmonic	≤3%							
Output								
Output Voltage	380, 400, 415 Vac 3F+N+PE							
Output Voltage Tolerance	±%1							
Overall Efficiency* (AC-AC)	Up 96% (%50 load) // Up to %96 (%100 load)							
Ecomode Efficiency	Up to 98% (Optional)							
Nominal Output Frequency	50/ 60Hz +0.01 free run (Adjustable from LCD Panel)							
Crest Factor	3:1							
Output Power Factor	1 (U1 model) / 0,9 (U2 model)							
THD of Output Voltage								
Communication and management								
LCD Display	Graphical lcd screen, Led bar status							
Communication Ports (Optional)	RS485, Genset, SNMP, GSM Modem, Relay Contacts, Input Contacts, Modbus and USB							
Battery Temperature Sensor Contact	Available							
Emergency Power Off (Epo)	Available							
Accessories (Optional)	Galvanic Isolation Transformer, Remote Monitoring Panel							
Physical characteristics								
Dimensions W x D x H (mm)	1402 x 643 x 1014	1402 x 820 x 1014			1724 x 1663 x 884			1950 x 2950 x 930
Net Weight (kg)	260	270	300	315	660 (U1) & 620 (U2)	700 (U1) & 640 (U2)	800 (U1) & 750 (U2)	1050 (U1) & 900 (U2)
Ambient conditions								
Operating temperature (°C)	0°C - 40°C							
StorageTempature	-15°C/+ 55°C							
Proposed Temp. to Extend Battery Life	20 - 25°C							
Relative Humidity (%)	< 95% (condensing)							
Altitude	< 1500m							
Noise (at 1 meter)	<55 dBA		<58 dBA			<60 dBA		
Protection Class	IP20 (Higher IP Ratings are optional)							
Compliance								
Reference Product Standards	EN 62040-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (Performance)							

*Depends on Input/Output voltage conditions and power



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The company reserves the right to change specifications and designs without notice.