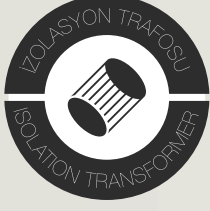


CONVERTER

10-800 KVA



Frequency Convertors proven to be reliable

Fixed frequency convertors with 1-3 phases input / 1-3 phases output are the products of high technology produced to be used primarily in the fields such as industry, yachts, ships and radars, etc... These devices operate on-line and back up the load which they are connected in with ideal energy. They improve the reliability of the load via their galvanized isolation transformers.



CONVERTER		10	15	20	30	45	60	80	100	120	160	200	250	300	400	500	600	700	800	
INPUT	Voltage	3x380 / 220 VAC + N, 3x400 / 230 VAC + N, 3x415 / 240 VAC + N																		
	Voltage Tolerance	± 20% (load-dependent changes)																		
	Frequency	50 / 60 Hz ± 5% (auto sensing)																		
	Power Factor	0.8 Standard / Optional 0.9 12 Pulse Rectifier																		
Total Harmonic Distortion		Approx 20% for 6 Pulse Device - Approx 10% for 12 Pulse Device																		
OUTPUT	Voltage	440 / 110 VAC + N (the desired output voltage can be produced)																		
	Voltage Tolerance	± 1% (linear load), ± 3% (dynamic load), 0% - 100% ± 5% Load Transitions																		
	Frequency	± 0.1% (self-synchronized)																		
	Frequency Tolerance	± 1% (when synchronous network)																		
	Power Factor	0.8																		
	Crest Factor	3:1																		
	Overload Protection	100% - 125% Load : 15 Minutes / 125% - 150% Load : 1 Minute																		
	Total Harmonic Distortion	< 2% Linear Load / < 5% Non-Linear Load																		
	Topology	On-Line Double Cycle																		
	Paralleling	Distributed Parallel Architecture																		
	Redundancy n+1	Paralleling Capability up to 6 Modules																		
GENERAL	Control	Microcontroller Controlled																		
	Protection Type	IP 20 - 54																		
	Standards	EN 50091-1 (safety), EN 50091-2 (EMC)																		
	Efficiency	> 94% / 97%																		
	Static Maintenance Bypass	Standard																		
	Ambient Temperature	0 - 40 °C																		
	Relative Humidity	0% - 95% (non-condensing)																		
PHYSICAL	Acoustic Noise (1m)	< 55dBA			< 60dBA						< 65dBA									
	Working Height	< 2000m (sea level)																		
	Color	RAL 7012																		
	Size (WxHxD) cm	10KVA: 63x175x78; 15-60KVA: 73x175x88; 80KVA: 83x175x88; 100KVA: 123x175x88; 120KVA: 153x175x88; 160-200KVA: 183x195x98; 250-300KVA: 203x215x98; 400KVA: 263x215x98; 500-800KVA: 373x215x98																		
	Weight (without battery) kg	256	300	330	370	450	550	630	860	950	1565	1700	2300	2750	3500	4000	4500	5000	5500	
COMMUNICATION	Power Management Indicator	LCD, Mimic Diagram																		
	Communication Port (smart port)	Serials RS232 / RS485 / RJ45																		
	Communication Port (dry port)	2 Standard, 8 Opsional																		
	Advanced Communication	Modbus, Jbus, Profibus, Modem, Web, Telnet, GPRS, SNMP																		
Color and Monitoring		SNMP Software Universe																		
STATIC BYPASS	Input	3x380 / 220 + N + N 3x400 / 230 VAC, 3x415 / 240 VAC + N (network or the desired source)																		
	Output	440 / 110 VAC + N (the desired output voltage can be produced), ± 10% (adjustable)																		
	Transition Time	0 Second																		
	Power	150%																		
	Protection	Fuse																		
	Nominal Voltage	405 Volt																		
BATTERY	Type	Dry Type																		
	Charging Time	Adjustable																		
	Battery Test	Automatic / Manual																		
	Feeding Time	Optional																		