

MODULAR SLAVE

SERIES

≤25 MVA

3:3
PHASE

FREQUENCY CONVERTER



DEFENCE



MARINE



AIRPORT



MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY



TOWER



POWER FACTOR



SERVICE



FEATURES

- Distributed Architectural Structure
- Modular Expandable Structure
- Ability to Work with/Without Neutral
- High Frequency and True Double-Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Output Power Factor 0.9 (Optional 1)
- Auto Sensing Frequency
- ECO Mode Operation for Energy Savings
- Selectable Output Voltage via LCD
- Touch Screen Panel Technology
- Voltage and Frequency Conversion Mode
- Power-On Self Test
- Short Circuit and Overload Protection
- Load Sensing Intelligent Fan Control
- Generator Compatibility
- Emergency Power Off (EPO)
- Standard RS232 Communication Port
- Bypass Mechanics (Optional)
- ModBus/SNMP Communication Port (Optional)
- Viewing and Managing All Modules with a Single Screen (Optional)

POWER BOOST

- Product Flexibility at all Power values up to 25M



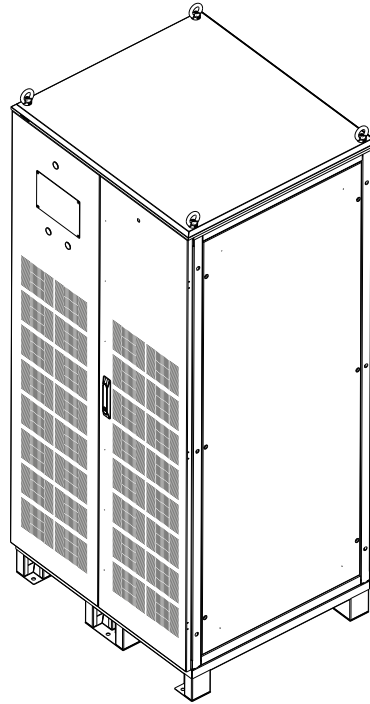
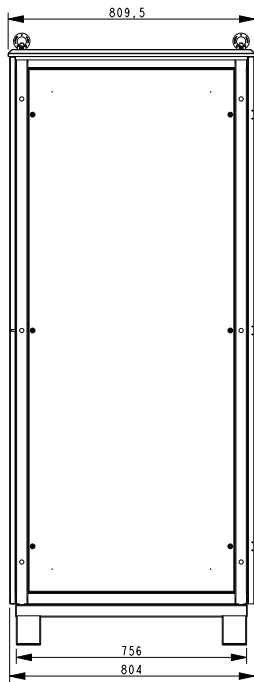
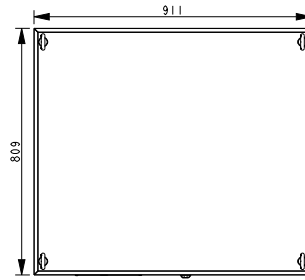
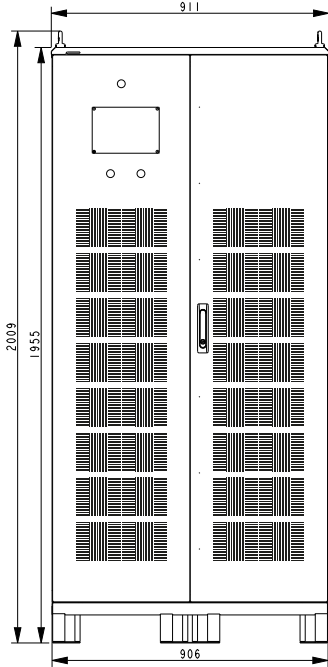
POWER
FORLIFE

Aytemiz
MAKELSAN®
Uninterruptible Power Supplies

MODEL					
Frame (Enclosure) Capacity		3x50 REC	5x50 REC	3x100 REC	5x100 REC
		3x50 INV	5x50 INV	3x100 INV	5x100 INV
Module Power Capacity		50 kVA / 45 kW		100kVA / 90 kW	
INPUT					
Voltage		115/120VAC 3P+N+PE		380/400/415/420VAC 3P+N+PE	
Voltage Tolerance		-%20 +%15		-%20 +%15	
Frequency Range		30-70 Hz		30-70 Hz	
Power Factor		At Full Load >0,95		At Full Load >0,95	
Total Harmonic Distortion (THDi)		<%4		<%4	
*Operating voltages other than the standards mentioned above can be configured according to need.					
OUTPUT					
Power Factor		0.9 (Optional 1)			
Voltage		115-480 VAC 3P			
Recovery		At 0% - 100% - 0% Load Output Tolerance up to 5%, Return to 1% Band <40ms.			
Voltage Tolerance		±1% Static, ±3% Dynamic			
Frequency Range		30 - 70Hz ±0,25% (Adjustable)			
THD		Linear Load <2% / Non-Linear Load <6%			
Crest Factor		3:1			
Overload*		At 125% Load 10min, at 150% Load 1min			
Efficiency		≥%95			
Protections		Input voltage and frequency out of tolerances, phase interruption at the input, output voltage and frequency out of tolerances, phase interruption at the output, DC component that may occur in the output voltage, Overload that will occur at the output (outside the specified times), heating at a level that will cause temperature-related malfunctions, under/high voltage in the DC bus voltage, short circuit at output.			
ENVIRONMENTAL					
Operation Temperature		0°C~+45°C			
Storage Temperature		-20°C~+50°C			
Protection Class		IP20 (Other IP Classes are Optional)			
Chassis		Electro-Static Paint Protected			
Humidity		0-95%			
Altitude		Power Correction Factor: PF 1: 0-1000 mt / PF 0,92: 1000-2000 mt / PF 0,84: 2000-3000 mt			
Event Log		2000 Detailed Events (Status Menu Saved)			
EPO (Emergency Power Off)		Standard			
Isolation Transformer		Optional			
COMMUNICATION					
Communication Port		RS232 Standard, ModBus and SNMP Adapter Option			
Dry Contact		Optional			
Protocol		SEC, TELNET			
STANDARDS					
Quality		ISO 9001			
LVD / Safety		IEC/EN62040-1, IEC/EN60950-1			
EMC		EN 62040-2/TS EN 55011			
FRAME DIMENSIONS & WEIGHT		3x100 REC	3x100 INV	5x100 REC	5x100 INV
Dimensions (mm)	Width	911		1356	
	Depth	810		810	
	Height	2010		2010	
Net Weight (kg)	623		1100		

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FRAME
3x100 REC | 3x100 INV



FRAME
5x100 REC | 5x100 INV

