

SFC

SERIES

10-800 kVA

3:3

PHASE

SHORE FREQUENCY CONVERTER



DEFENCE



MARINE



AIRPORT



MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY



TOWER



POWER FACTOR



SERVICE



FEATURES

- IGBT PWM Rectifier & Inverter Technology
- Output Power Factor 0.9 (1 Optional)
- DSP Control
- Ultra High Efficiency up to 96%
- Low Input Current THD (<3%)
- High Input Power Factor (>0.99)
- Wide Input Voltage Range (Optional)
- Short Circuit and Overload Protection
- Parallel Operation (Up to 8)
- Power Increase with Parallel Connection
- 1500 Real Time Event Log with Detailed Parameters
- Static&Manual Bypass Operation (Optional)
- Front Access for easy Maintenance Rp. Advanced
- Advanced User Interface
- Excellent Generator Compatibility
- EPO (Emergency Shutdown)
- Reactor Transformer (Capacitive kit) (Optional)
- Auto Restart
- High Efficiency & Low Operating Cost
- Short MTTR (Average Repair Period)
- Feedback Protection
- Galvanic Isolation
- Parallel Operation and Power Sharing



MPC Series product safety directive (EN62040-1) complies with the European Safety Working Standard.



The LEVELUPS Series is certified by Bureau Veritas according to the European Product Performance Standard (EN62040-3)



POWER
FORLIFE

Aytemiz
MAKELSAN®
Uninterruptible Power Supplies

MODEL																	
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA	800kVA
Power Watt	9kW	13.5kW	18kW	27kW	36kW	54kW	72kW	90kW	108kW	144kW	180kW	225kW	270kW	360kW	450kW	540kW	720kW
INPUT																	
Nominal Voltage	400 VAC 3 P+N																
Voltage Tolerance	-20% +15%																
Frequency Tolerance	50 / 60 Hz ±50% (Selectable)																
Power Factor	>0.99																
Total Harmonic Distortion	THDi <%3																
OUTPUT																	
Power Factor	0.9 (1 Optional)																
Nominal Voltage	200/380/400/415/440 VAC 3 P+N																
Voltage Tolerance	Static ±1, Dynamic ±3																
Frequency Tolerance	50Hz / 60Hz ±%0,01 / 400Hz ±%1																
Output THD	Linear Load <1% / Non-Linear Load <3%																
Crest Factor	3:1																
Overload Capacity*	At 125% Load 10min, at 150% Load 1min																
Efficiency (Online Mode)	Up to 96%																
Efficiency (Eco Mode)	Up to 99%																
BYPASS (Optional)																	
Voltage	Depends on External Source.																
Voltage Tolerance	Depends on External Source.																
Frequency	Depends on External Source.																
Frequency Tolerance	Depends on External Source.																
ENVIRONMENTAL																	
Operating Temperature	0°C / +40°C																
Storage Temperature	-15°C / +45°C																
Protection Class	IP20 (Other IP Options are Optional)																
Humidity	0-95% Without Condensation																
Altitude	<1000m, Correction Factor 1. <2000m, Correction Factor >0.92, <3000m; Correction Factor >0.84																
Noise Level	<53 dBA	<55 dBA	<60 dBA	<65 dBA	<72 dBA				<74 dBA								
COMMUNICATION																	
Communication Port	RS232 (Standart), RS485, MOD-Bus, J-Bus, Web, Tel-Net, GPRS, CAN-Bus, SNMP (Optional)																
STANDARDS																	
Quality	ISO 9001, ISO 14001, ISO 18001, TSE-HYB																
Performance	EN62040-3 (VFI-SS-111, Bureau Veritas Certified)																
EMC/LVD	EN62040-2, EN62040-1, EN60950, (TÜV SÜD Certified)																

* under certain conditions.

3 Phase In / 1 Phase Out Version is Available. (10 to 30kVA)

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