

NETPRO-FC Series

10 ~ 400 kVA 3 Phases / 3 Phases

FREQUENCY CONVERTER



GENERAL FEATURES

Advanced Microprocessor Control
True Online Double Conversion
IGBT Rectifier and Inverter
Active Input Power Factor Correction (≥ 0.99)
Low Input THDi $< 3\%$ Perfect Generator Compatibility
Low Output THDv $< 3\%$ Perfect Energy for your Loads
Excellent Compability with Different Power Factor Loads
Selectable Input/Output Voltage and Frequency
Wide Input Voltage Range (160 - 260 VAC)
High Efficiency Up To 95%
Ultra High Efficiency with Smart Eco Mode (%98)
Reliable Parallel / Redundant Operation via Load Synchronization
Smart Fan Control
EMI / RFI Filter
Start on Battery Feature (Cold Start)
Short Circuit, High/Low Voltage and Overload Protections
Adjustable Time for Battery Operation
Battery Deep Discharge Protection
Standard Static ve Maintenance By-Pass
Temperature Compensated Battery Charge, Selectable Charge Current
240 x 320 Touch Screen Graphical LCD Display (**First in TURKEY !**)
Advanced Fault Identification, 1000 pcs Alert/Event Memory
Advanced Communication Options with RS232 / RS485

100% Made in TURKEY

Environment Friendly Design, The Most Silent in Its Class

Low Installation and Operation Costs

Easy Maintenance and Service

10 Years Spare Part Availability

7/24 Technical Service and Customer Services

OPTIONAL FEATURES

Advanced Remote Monitoring and Management Options via SNMP
4 Programmable Dry Contacts
GPRS Modem / CAN BUS Communication Options
Easy Scalability with Parallelling
Microprocessor and Sensor Controlled Smart Battery Management
Customizable Input/Output Options

STANDARDS

EN 62040-1 (Safety), EN 62040-2 (EMC)
TSEK, CE, ISO 9001:2008

Uninterrupted Power Uninterrupted Service



www.servomatik.com - info@servomatik.com

TECHNICAL SPECIFICATIONS

Model	NETPRO FC														
Power (kVA)	10	15	20	30	45	60	80	100	120	160	200	250	300	400	
INPUT															
Volta	380 VAC 3P+N														
Voltage Tolerenc	± %20														
Frequency	50/60/400 Hz														
Frequency Tolerance	± 10%														
Power Factor	≥ 99														
Total Harmonic Distortion THDv	< 4%														
OUTPUT															
Voltage	380 VAC± %1 Pure sinus wave														
Voltage Tolerance	± 1%														
Frequency	50/60/400 Hz														
Frequency Tolerance	± %0,1														
Power Factor	0,8 inductive														
Load Crest Factor	3:1														
Total Harmonic Distortion THDv	< %3														
Overload	%125 Load 1 Min,%150 Load 10 Sec.														
Max power	%150														
Protection	Electronic Protection Fast Fuse														
BATTERY															
Voltage	Optional														
Transfer Time	VRLA – SLA														
Back Up Time	Optional														
GENERAL SPECIFICATIONS															
Technology	On-Line Double Conversion														
Control	SPWM Controlled IGBT Rectifier & Inverter														
Efficiency	≥0,90														
COMMUNICATION															
Display	240*320 Graphic LCD (Touchscreen)														
Event/Warning LOG	1000 Events														
Communication Port (Smart Port)	RS232, RS485, RJ45 (Optional)														
Advanced Communication	Modbus, Jbus, Modem, Telnet, GPRS, SNMP (OPTIONAL)														
Software	NETPRO33 Software														
ENVIRONMENT															
Operating Temperature Range	0°C -40°C														
Relative Humidity	%0 - %95 (Uncondensed)														
Altitude	≤ 3000 m														
Noise	≤ 60														
	IP20														
PHYSICAL															
Dimensions (WxDxH) cm	41 x 78 x 125				51 x 84 x 156				120 x 84 x 178						

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