

# NETPRO-33M Series

30 - 300 kW 3 Phase / 3 Phase  
Modular Design UPS

FACTORIES



HOSPITALS



HOTELS



SERVER ROOMS



SHOPPING CENTERS



INDUSTRIAL APPLICATIONS



EMERGENCY SYSTEMS



MILITARY APPLICATIONS

## GENERAL FEATURES

Modular Design (Up to 10 modules)  
Output Power Factor is 1,0  
Advanced Microprocessor Control  
True Online Double Conversion  
IGBT Rectifier and Inverter  
Low Input THDi <math>< 3\%</math> Perfect Generator Compatibility  
Low Output THDv <math>< 1-3\%</math>  
Selectable Input/Output Voltage and Frequency  
High Efficiency Up To 96%  
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  
RS232, RS485, SNMP Communication  
Dry Contact and Generator Port  
EPO is Available

## 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

GPRS Modem / CAN BUS Communication Options  
Easy Scalability with Paralleling  
Microprocessor and Sensor Controlled Smart Battery Management  
Customizable Input/Output Options  
Output Isolation Transformer Option

## STANDARDS

EN 62040-1 (Safety), EN 62040-2 (EMC), EN 62040-3

# Uninterrupted Power Uninterrupted Service



**SERVO-MATİK**  
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### TECHNICAL SPECIFICATIONS

Model	<b>NETPRO-33M</b>
Power	30-300 kW
<b>INPUT</b>	
Nominal Voltage / No. of Phases	220/380 VAC / 230/400 VAC / 240/415 VAC ( 3 P + N )
Voltage Range	-%20 / +%15
Nominal Frequency	50 Hz / 60 Hz
Frequency Range	40-70 Hz
Input Power Factor	≥ 0,99
THDi	< 3%
<b>OUTPUT</b>	
Nominal Voltage / No. of Phases	380 VAC / 400 VAC / 415 VAC (3 P + N)
Voltage Tolerance	± 1%
Nominal Frequency	50 Hz / 60 Hz
Frequency Tolerance	50 Hz ± 0,1 / 60 Hz ± 0,1
Power Factor	<b>1,0</b>
Crest Factor	3:1
THDv	THDV <1% (linear load), THDV<3% (non-linear load)
Waveform	Pure Sine
Overload Operation	1 hour @ 110% load, 10 min @ 125% load, 1 min @ 150% load
<b>STATIC BY-PASS</b>	
Voltage	380 / 400 / 415 V ( 3 P + N )
Transfer Time	0 ms.
Overload Capacity	150%
<b>BATTERY</b>	
Voltage / Quantity	12 Vdc Battery, 30-40 pcs can be selected
Type	Maintenance Free Dry Type
Charging Current Temperature Compensated Charge	Selectable Microprocessor and Smart Sensor Controlled
<b>GENERAL</b>	
Technology	On-Line Double Conversion
Control	SPWM Controlled IGBT Rectifier and Inverter
Efficiency	>96%
Modules / Frame	Up to 10 modules (30 kW) / 300 kW Frame
Protection	Overload, Over Temperature, Input/Output Short Circuit
<b>COMMUNICATION</b>	
Display	240 x 320 Graphical LCD ( <b>Touch Screen Display</b> )
EPO	Yes
Advanced Communication	RS232, RS485, dry contact, SNMP, generator port
Software	Netpro PC Software
<b>ENVIRONMENT</b>	
Operating / Storage Temperature Range	0 °C ~ 40 °C / -15 °C ~ +55 °C
Relative Humidity	0% – 95% ( Non-Condensing )
Altitude	≤ 2000 m
Noise ( from 1 meter distance )	≤ 55 dB
Protection Class	IP20

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