

NETPRO-33H Series

10 ~ 30 kVA 3 Phase / 3 Phase

Uninterruptible Power Supply



GENERAL FEATURES

Advanced microprocessor control
True online double conversion
DSP controlled IGBT rectifier and inverter
Active Power Factor Correctoin (PFC) ≥ 0.99
Low input THDi $< \%3$ for perfect generator compatibility
Low output THDv $< \%2-5$ for perfect energy
Perfect compatibility with loads of different power factors
Accept dual mains inputs
Wide input voltage range (110 - 300 VAC)
High efficiency up to $\%89$
Reliable parallel/redundant operation with load synchronization
Intellectual fan control
EMI / RFI filters
Short circuit, overload, high/low voltage protection
Start from battery (Cold Start)
Selectable backup time
Battery deep discharge protection
Temperature controlled charge
Standart static and manual By-Pass
Advanced error/fault identification
Advanced PC connectivity with RS232 / USB

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

Remote monitor and control with SNMP
Programmable dry contacts
GPRS modem / MOD BUS options
Easy scaling with parallelling options
Isolation transformers
Custom input / output options

STANDARTS

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

Uninterrupted Power Uninterrupted Service



www.servomatik.com - info@servomatik.com

TECHNICAL SPECIFICATIONS

Model	NETPRO-33H			
Nominal Power (kVA)	10	15	20	30
INPUT				
Nominal Voltage / Phase Count	220/380 VAC / 230/400 VAC / 240/415 VAC (3 Phase + Neutral)			
Input Voltage Range	310-500 VAC			
Nominal Frequency	50 Hz / 60 Hz			
Frequency Tolerance	± %5			
Input Power Factor	0,99			
Total Harmonic Distortion THDi	< %5			
OUTPUT				
Nominal Voltage / Phase Count	220/380 VAC / 230/400 VAC / 240/415 VAC (3 Phase + Neutral)			
Voltage Tolerance	± %1			
Nominal Frequency	50 Hz / 60 Hz			
Frequency Tolerance	50 Hz / 60 Hz ± %2 (mains sync); 50 Hz / 60 Hz ± 0,5 Hz (free operation)			
Power Factor	0,9			
Crest Factor	3:1			
Output Voltage Harmonics THDv	< %3 (linear load) <%5 (non-linear load)			
Output Waveform	True Sine Wave			
Overload Capacity	10 min at %110 load; 1 min at %130 load; bypass at load >%130.			
STATIC BYPASS				
Input Voltage	310-500VAC			
Frequency	50 Hz ± %10			
Short Circuit Protection	Electronical protection, fuse			
BATTERY				
Voltage / Quantity	Adjustable 18-20 (Standart 20 pcs 12 VDC)			
Type	Maintenance free dry batteries			
Battery Protection	Deep discharge protection			
GENERAL				
Technology	On-Line double conversion			
Control	DSP controlled IGBT rectifier and inverter			
Efficiency	%89			
Parallel / Redundant Operation	Optional			
Protection	Overload, overheating, input/output short circuit			
COMMUNICATION				
Display	Graphical LCD panel, Mimic diagram and control panel			
Warnings / LED	Mains, Battery, Inverter, Load, Error indicators			
Advanced Communications	RS232, Dry contacts(Optional), Modem (Optional), Modbus (Optional), SNMP (Optional)			
ENVIRONMENT				
Operating Temperature	0 °C ~ +40 °C			
Storage Temperature	-15 °C ~ +55 °C			
Relative Humidity	%0 - %95 (non-condensing)			
Altitude	≤ 1000 m			
Acoustic Noise	≤ 60 dB			
Protection Class	IP20			

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NETPRO-33H Series

40 kVA 3 Phase / 3 Phase

Uninterruptible Power Supply

FABRICS



HOSPITALS



HOTELS



SERVER ROOMS



SHOPPING
CENTERS



INDUSTRIAL
APPLICATIONS



EMERGENCY
SYSTEMS



MILITARY
SYSTEMS

GENERAL FEATURES

Advanced microprocessor control
True online double conversion
DSP controlled IGBT rectifier and inverter
Active Power Factor Correctoin (PFC) ≥ 0.99
Low input THDi $< 3\%$ for perfect generator compatibility
Low output THDv $< 2-5\%$ for perfect energy
Perfect compatibility with loads of different power factors
Accept dual mains inputs
Wide input voltage range (380 \pm 25% VAC)
High efficiency up to 89%
Reliable parallel/redundant operation with load synchronization
Intellectual fan control
EMI / RFI filters
Short circuit, overload, high/low voltage protection
Start from battery (Cold Start)
Selectable backup time
Battery deep discharge protection
Temperature controlled charge
Standart static and manual By-Pass
Advanced error/fault identification
Advanced PC connectivity with RS232 / USB

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TECHNICAL SPECIFICATIONS

Model	NETPRO-33H
Nominal Power (kVA)	40 kVA
INPUT	
Nominal Voltage / Phase Count	220/380 VAC / 230/400 VAC / 240/415 VAC (3 Phase + Neutral)
Input Voltage Range	310-500 VAC
Nominal Frequency	50 Hz / 60 Hz
Frequency Tolerance	± %5
Input Power Factor	0,99
Total Harmonic Distortion THDi	< %5
OUTPUT	
Nominal Voltage / Phase Count	220/380 VAC / 230/400 VAC / 240/415 VAC (3 Phase + Neutral +PE)
Voltage Tolerance	± %1
Nominal Frequency	50 Hz / 60 Hz
Frequency Tolerance	50 Hz / 60 Hz ± %2 (mains sync); 50 Hz / 60 Hz ± 0,5 Hz (free operation)
Power Factor	0,9
Crest Factor	3:1
Output Voltage Harmonics THDv	< %3 (linear load) <%5 (non-linear load)
Output Waveform	True Sine Wave
Overload Capacity	60 min at %110 load; 10 min at %125 load; 1 min at %150 load
STATIC BYPASS	
Input Voltage	310-500VAC
Frequency	50 Hz ± %10
Short Circuit Protection	Electronical protection, fuse
BATTERY	
Voltage / Quantity	Adjustable 28-30-32 pcs
Type	Maintenance free dry batteries
Battery Protection	Deep discharge protection
GENERAL	
Technology	On-Line double conversion
Control	DSP controlled IGBT rectifier and inverter
Efficiency	%94
Parallel / Redundant Operation	Optional
Protection	Overload, overheating, input/output short circuit
COMMUNICATION	
Display	Graphical LCD panel, Mimic diagram and control panel
Warnings / LED	Mains, Battery, Inverter, Load, Error indicators
Advanced Communications	RS232, Dry contacts(Optional), Modem (Optional), Modbus (Optional), SNMP (Optional)
ENVIRONMENT	
Operating Temperature	0 °C ~ +40 °C
Storage Temperature	-15 °C ~ +55 °C
Relative Humidity	%0 - %95 (non-condensing)
Altitude	≤ 1000 m
Acoustic Noise	≤ 60 dB
Protection Class	IP20

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