

# NETPRO®- 31 H Series

10 ~ 20 kVA 3 Phase / 1 Phase

Uninterruptible Power Supply

INDUSTRIAL  
APPLICATIONS



SATELLITE  
SYSTEMS



COMMUNICATION  
SYSTEMS



NETWORK  
SYSTEMS



MEDICAL  
DEVICES



FIRE & ALARM  
SYSTEMS



SATELLITE  
RECEIVERS



EMERGENCY  
SYSTEMS

## GENERAL FEATURES

Pure Sine Wave Output Online Ups  
Double Conversion Technology  
DSP Microprocessor Controlled  
IGBT Rectifier And Inverter  
Static By-Pass  
Wide Input Voltage Operation Range  
Cold Start Feature  
Input Power Factor Correction (PFC)  
High Efficiency With Energy Saving  
EMI / RFI Filters  
Selectable Input / Output Voltage And Frequency  
Advanced Battery Charger  
Communication with RS232  
Battery Deep Discharge Protection  
User Friendly Lcd Panel  
High Efficiency With Energy Saving  
Maximum Safety With CPU Control  
Compact, Light And Quiet Design

**100% Made In TURKEY**  
**Environment Friendly Design**  
**Low Weight&Dimensions**  
**Low Installation and Operational Costs**  
**Easy Maintenance and Service**  
**10 Years Spare Part Warranty**  
**7/24 Technical Support and Customer Services**

## OPTIONAL FEATURES

Advanced Remote Monitoring And Management With SNMP  
Long Back Up With External Batteries  
Easy Power Up With Paralleling  
Galvanic Isolation Transformer  
Special Input / Output Options

## STANDARDS

EN 62040-1 Safety  
EN 62040-2 EMC  
EN 62040-3 CE  
ISO 9001:2008

*Uninterrupted Power  
Uninterrupted Service*



**SERVO-MATİK®**  
ELEKTRONİK SİSTEMLER SAN. ve TİC. LTD. ŞTİ.

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### TECHNICAL SPECIFICATIONS

MODEL	NETPRO - 31H UNINTERUPPTED POWER SUPPLY		
POWER	10 KVA	15 KVA	20 KVA
<b>INPUT</b>			
Nominal Voltage	208V AC / 210V AC / 220V AC / 230V AC / 240V AC (Ph-N) 360V AC / 363V AC / 380V AC / 400V AC / 415V AC (3Ph+N)		
Voltage Range	110-295V AC ( %50 Load ) / 160-260V AC ( %100 Load ) (Ph-N) 190-510V AC ( %50 Load ) / 277-450V AC ( %100 Load ) (3Ph+N)		
Nominal Frequency	50 Hz / 60 Hz		
Frequency Tolerance	± %10		
Input Power Factor	≥ 0,99		
Total Harmonic Distortion THDi	< %6		
<b>OUTPUT</b>			
Nominal Voltage	208V AC / 210V AC / 220V AC / 230V AC / 240V AC ( Ph-N )		
Voltage Tolerance	± %1		
Nominal Frequency	50 Hz / 60 Hz		
Frequency Tolerance	%0.2 (Self Synchronize) - %2 (Bypass Synchronize)		
Total Harmonic Distortion THDv	< %3 (Linear Load), < %5 (Nonlinear Load)		
Crest Factor	3:1		
Power Factor	0,8		
Output Waveform	Pure Sine		
Overload	%105-%150: 30 s, >%150: 100 ms		
<b>STATIC BYPASS</b>			
Input Voltage	208V AC / 210V AC / 220V AC / 230V AC / 240V AC ( Ph-N )		
Transition Time	< 4 ms.		
Overload Capacity	%150		
<b>BATTERY</b>			
Psc / Voltage	16 PCS 12 VDC		
Type	Full Maintenance Free Dry Type		
Charge Current / Temperature Adj. Charge	Selectable / Microprocessor and Smart Sensor Control		
<b>GENERAL</b>			
Operation Technology	On-Line double conversion		
Control	SPWM Controlled IGBT rectifier & inverter		
Efficiency	Up to %93		
Paralleling and Redundancy Features	Optional		
Protection	Overload, Over Temperature, Output Short Circuit		
<b>COMMUNICATION</b>			
Display	LCD / LED		
Advanced Communication	RS232, Dry contacts, SNMP , USB (optional)		
Software	PC Software		
<b>ENVIRONMENTAL PROPERTIES</b>			
Operation Temperature	-10°C +50°C		
Relative Humidity	%0 ~ %95 (non-condensing)		
Altitude	≤ 3000 m		
Noise	≤ 55 dB		
Protection Class	IP20		
<b>PHYSICAL</b>			
Dimensions ( W x D x H ) mm	262 x 580 x 712	262 x 580 x 628	

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