

ON-LINE UNINTERRUPTIBLE POWER SUPPLIES

N SERIES 10-20 kVA On-Line 3/1

3 PHASES INPUT - 1 PHASE OUTPUT



- High-Performance DSP Controlled Technology
- True On-Line Double Conversion with IGBT Rectifier
- True Pure Sine Wave Output Voltage
- Wide Input Voltage Range (210-475 V AC)
- High Input Power Factor (>98%)
- High Output Power Factor (PF 0.9)
- Electromagnetic and RFI Protection
- Digital Panel providing detailed information about Mains, Charging System, Battery Status and Output Voltage
- Starting from Battery without Mains
- Quieter Operation with Fan Speed Variable According to the Load
- Digital Charging System that Operates When Off, Ensuring Long Life of Batteries
- Longer Supply with External Battery Pack
- Communication from RS 232 Serial Port for remote monitoring and secure shutdown in networks,
- SNMP Monitoring Software (Optional)
- High Security with EPO (Emergency Power Off) Connection
- Compliance with international standards
- 2 Years Device and Battery Warranty
- 10 Years Spare Parts Supply Guarantee
- Experienced Technical Service and Customer Service Support throughout Turkey

APPLICATIONS

- Transformerless structure
- Latest technology
- 3 Phase Input
- 1 Phase Output
- Energy save
- Clean and stable output voltage
- Overload and short circuit protection
- Remote monitoring
- Adjustable values
- Generator compatibility

ADVANTAGES

- Transformerless structure
- Latest technology
- 3 Phase Input
- 1 Phase Output
- Energy save
- Clean and stable output voltage
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- Generator compatibility

GERMENUPS®
ALWAYS CONNECTED

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3 PHASES INPUT - 1 PHASE OUTPUT

MODEL	NXTR-10KVA	NYTR-15KVA	NZTR-20KVA
POWER (W)	9000 W	13500 W	18000 W
INPUT			
Voltage ve Tolerance	210 - 475 V AC (L + N + PE)		
Power Factor (Full Load)	> 0,99		
Frequency	50 / 60 Hz \pm 10Hz		
Protection	Electronic Short Circuit Protection ve Auto Fuses		
OUTPUT			
Power Factor	0,9		
Voltage	220 V AC (L + N + PE)		
Voltage Tolerance	\pm 1%		
Frequency	50 -60 Hz		
Frequency Tolerance	\pm 0,05% (With Battery Mode)		
Wave Form	Pure Sine Wave		
Transfer Time	0 ms (AC Mode to Battery Mode)		
THD (100% Linear Load)	\leq 3%		
THD (100% Non-Linear Load)	\leq 5%		
Crest Factor	3:1		
Overload Protection	100% Continuous 105 - 125% Load 1 min. 125 - 150% Load 30 s. > 150% 0,5 s.		
Short Circuit Protection	Electronic Short Circuit Protection		
Communication Interface	RS 232 (Optional SNMP - AS400 Relay - RS485)		
BATTERY			
Number of Batteries	16 Pieces		
Charging Voltage	216 VDC		
Discharging Voltage	160 VDC		
Battery Operation Warning	Buzzer and Display alert		
Battery Low Protection	Auto Shut off		
Battery Cabinet	External		
GENERAL			
Control Panel	LCD Display and Multiple selection keys		
Operating Temperature	0 C - 40 C		
Noise Level (1 meter)	< 50 dBA		
Protection Class	IP 20		
Altitude	< 2000 m		
Humidity	95% max.		
Weight kg (Without Battery)	27		35
Dimensions (wxdxh) mm	248x500x565		

