

**ON-LINE UNINTERRUPTIBLE POWER SUPPLIES**

# **N SERIES** 6-10 kVA

**1 PHASE 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 (110-300 V AC)
- High Input Power Factor (>99%)
- High Output Power Factor (kVA = kW)
- 50Hz/60Hz Frequency Converter Mode
- Electromagnetic and RFI Protection
- Digital Panel providing detailed information about Mains, Charging System, Battery Status, and Output Voltage
- Starting from Battery without Mains
- Digital Charging System that ensures the long life of the batteries
- Longer Supply with External Battery Pack (With Long Model)
- Communication from RS 232 Serial Port for remote monitoring and secure shutdown in networks,
- Plug and Play Monitoring Software with USB (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**

- IT Centers
- Factories
- Medical Devices
- Emergency Systems (Alarm)
- Communication Devices
- Server and Server Rooms
- Personal Computers
- Small Computer Network
- Network systems

## **ADVANTAGES**

- Transformerless structure
- Latest technology
- Energy save
- Clean and stable output voltage
- Overload and short-circuit protection
- Remote monitoring
- Adjustable values
- EPO and Generator compatibility

**GERMENUPS®**  
**ALWAYS CONNECTED**

Seyrantepe Mah. Çalışkan Sk. No:27 Kağıthane, İstanbul 34418 Türkiye  
T +90 (212) 284 09 09 F +90 (212) 284 70 07 E info@germenups.com

[www.germenups.com](http://www.germenups.com) @ f t d /germenups.tr

# ON-LINE UNINTERRUPTIBLE POWER SUPPLIES

## N SERIES 6-10 kVA

### 1 PHASE INPUT - 1 PHASE OUTPUT

MODEL	NT-6KVA	NTL-6KVA	NX-10KVA	NXL-10KVA
POWER (W)	6000 W		10000 W	
<b>INPUT</b>				
Voltage	208/220/230/240 VAC (L + N + PE)			
Voltage Tolerance	110 - 300 V AC			
Power Factor (Full Load)	> 0,99			
Frequency	50 / 60 Hz $\pm$ 10 Hz			
Protection	Electronic Current Limitation in Rectifier, Over Voltage Protection, Fast Fuses			
<b>OUTPUT</b>				
Power Factor	1,0			
Voltage	208/220/230/240 VAC (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 (AC Mode)	102 - 110% Load 30 min. 110 - 130% Load 10 min. 130 - 150% Load 30 s. > 150% 200 ms.			
Short Circuit Protection	Electronic Short Circuit Protection			
Communication Interface	RS 232			
<b>BATTERY</b>				
Number of Batteries	16 (12-14-20 Qty. Optional)			
Charging Voltage	216 VDC			
Discharging Voltage	160 VDC			
Charging Current	1A (1-10A adjustable)			
Battery Operation Warning	Buzzer and Display alert			
Battery Low Protection	Auto Shut off			
Battery Cabinet	Internal	External	Internal	External
<b>GENERAL</b>				
Control Panel	LCD Display and Multiple selection keys			
Operating Temperature	0 C - 40 C			
Noise Level (1 meter)	$\leq$ 50 dBA			
Protection Class	IP 20			
Altitude	1000 m - 4000 m (IEC62040)			
Humidity	95% max.			
Weight kg	48,5	15	58	18
Dimensions (wxdxh) mm	192x470x612			

