

KONVERTÖR

10-800 kVA

Kesintisiz Güç Kaynağı & Data Center Altyapı Çözümleri

Uninterruptible Power Supply & Data Center Solutions



DC~DC/AC~AC voltage and frequency converters fulfill the needs of continuous business activities in different areas.

Improved reliability, sensibility in operating parameters makes it an essential solutions for critical loads

DC~DC - AC~AC Gerilim ve Frekans Konvertörleri, farklı alanlardaki devamlı iş faaliyetlerinin ihtiyacıdır.

Geliştirilmiş güvenilirliği, çalışma parametrelerindeki hassasiyeti, onu kritik uygulamalar için gerekli bir çözüm haline getirir.

Converter



YÜKSEK VERİM



TEMİZ ENERJİ



DOĞA DOSTU
TEKNOLOJİ



TÜM CİHAZLARA
UYUMLU

NECRON
energy

Technical Specifications

Converter

INPUT

Voltage	3x380 / 220 VAC + N, 3x400 / 230 VAC + N, 3x415 / 240 VAC + N
Voltage Tolerance	± 20% (Load-Dependent Changes)
Frequency	50 / 60 Hz ± 5% (Auto Sensing)
Power Factor	0.8 Standard / Optional 0.9 12 Pulse Rectifier
Total Harmonic Distortion	Approx 20% for 6 Pulse Device - Approx 10% for 12 Pulse Device

OUTPUT

Voltage	440 / 110 VAC + N (The Desired Output Voltage Can Be Produced)
Voltage Tolerance	± 1% (Linear Load), ± 3% (Dynamic Load), 0% - 100% ± 5% Load Transitions
Frequency	± 0.1% (Self-Synchronized)
Frequency Tolerance	± 1% (When Synchronous Network)
Power Factor	0.8
Crest Factor	3:1
Overload Protection	100% - 125% Load: 15 Minutes / 125% - 150% Load: 1 Minute
Total Harmonic Distortion	< 2% Linear Load / < 5% Non-Linear Load

GENERAL

Topology	On-Line Double Cycle
Paralleling	Distributed Parallel Architecture
Redundancy [N+1]	Paralleling Capability up to 6 Modules
Control	Microcontroller Controlled
Protection Type	IP 20 - 54
Standards	EN 50091-1 (Safety), EN 50091-2 (EMC)
Efficiency	> 94% / 97%
Static Maintenance Bypass	Standard

PHYSICAL

Ambient Temperature	0 - 40 °C																	
Relative Humidity	0% - 95% (Non-Condensing)																	
Acoustic Noise (1m)	< 55dB	< 60dB	< 65dB															
Working Height	< 2000m (Sea Level)																	
Color	RAL 7012																	
Dimension (WxHxD) [mm]	10KVA: 63x175x78; 15-60KVA: 73x175x88; 80KVA: 83x175x88; 100KVA: 123x175x88; 120KVA: 153x175x88; 160-200KVA: 183x195x98; 250-300KVA: 203x215x98; 400KVA: 263x215x98; 500-800KVA: 373x215x98																	
Weight (Without Battery) [kg]	256	300	330	370	450	550	630	860	950	1565	1700	2300	2750	3500	4000	4500	5000	5500

COMMUNICATION

Power Management Indicator	LCD, Mimic Diagram
Communication Port (Smart Port)	Serials RS232 / RS485 / RJ45
Communication Port (Dry Port)	2 Standard, 8 Optional
Advanced Communication	Modbus, Jbus, Profibus, Modem, Web, Telnet, GPRS, SNMP
Color and Monitoring	SNMP Software Universe

STATIC BYPASS

Input	3x380 / 220 + N + N 3x400 / 230 VAC, 3x415 / 240 VAC + N (Network or the Desired Source)
Output	440 / 110 VAC + N (The Desired Output Voltage Can Be Produced), ± 10% (Adjustable)
Transition Time	0 Second
Power	150%
Protection	Fuse
Nominal Voltage	405 Volt

BATTERY

Type	Dry Type
Charging Time	Adjustable
Battery Test	Automatic / Manual
Feeding Time	Optional