

C Series

30 - 120 kVA



- IGBT rectifier & inverter technology
- True Online Double Conversion
- LCD display - Mimic Diagram
- Automatic Frequency sensing
- Intelligent battery operations
- Control Software
- Static bypass
- Generator Compatible
- High input voltage tolerance (80-280V)
- Parallel operation
- High efficiency
- Multi-communications capability
- Microprocessor controlled
- Multi-communications capability
- Microprocessor controlled
- High input power factor
- Power Factor Correction (PFC)
- Low harmonics
- Smart fan speed control
- Manual bypass

ELEN

UNINTERRUPTIBLE POWER SUPPLY

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TECHNICAL SPECIFICATIONS

Model	C Series					
Capacity	30	40	60	80	100	120
INPUT DATA						
Voltage	380 / 400 / 415V + N, 3 Phase+N					
Voltage Range	± 20% at full load					
Dynamic Voltage range ¹	139 - 485 V					
Frequency	50/60 Hz					
Frequency Range	±10%					
Power Factor	≥0.99					
Total Harmonic Distortion	<4%					
OUTPUT DATA						
Voltage	380 / 400 / 415V + N, 3 phase+N					
Voltage regulation	±1 static, +3 dynamic at 100% load change, <2ms recovery time					
Frequency	50/60 Hz					
Frequency Tolerance	±0.1 % (Auto-synchronized), ±1% (Synchronized with the mains)					
Power Factor	0.8					
Total Harmonic Distortion	<1% (At linear load), <5% (non-linear load)					
Load Crest Factor	3:1					
Overload	125% rated load for 10 min. 150% rated load for 1 min.					
GENERAL DATA						
Topology	On-line, Double conversion with SPWM controlled IGBT rectifier and inverter					
Parallel Technology	With or (n+1) paralleling					
Redundancy	High reliability, no limitation at the quantity and power					
Control	Multi microcontroller					
Type of Protection	IP21					
Standards	EN 50091-1 / EN 62040-1 (safety), EN 50091-2 / EN 62040-2 (EMC)					
Efficiency (On-Line mode)	≥94%, ≥98% (Eco mod)					
Static & Maintenance By-pass	Standard					
MONITORING AND CONTROL DATA						
Power Management Display (PMD)	Interactive display screen, press buttons					
Communication Port (Smart Port)	Serial RS 232 / Rs 485 / RJ45					
Communication Port (Dry Port)	Volt - Programmable 7 contacts					
Advance Communication	Modbus/Jbus/Profibus, Modem, Web, Telnet, GPRS, SNMP					
Control and Monitoring Software	SNMP Universe Software					
PHYSICAL DATA						
Ambient Temperature	0°C to 40°C					
Relative Humidity	0% to 95% (Noncondensing)					
Noise Level <dB (A)	<55		<60		<65	
Operation Altitude	1000 m					
Color	RAL 7035					
Dimensions						
Without Battery (WxHxD) mm	480x830x1050					
Weight Without Battery (kg)	155		170		190	

ELEN reserves the right to make any changes to data without prior notice.
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¹According to power

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CE



For more product information please contact.