

BC Series

10 - 20 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	BC Series		
Capacity	10	15	20
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	255x730x870		
Weight Without Battery (kg)	51		53

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

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BC Series



CE



For more product information please contact.