

# AC/DC<sup>®</sup> UPS

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## UPSon BC Series Uninterruptible Power Supplies True Online 3 Phase Input - 3 Phase Output



10 - 20 kVA

- \* Digital Power Factor Correction
- \* Three Level Inverter

### NEW TECHNOLOGY

- High and stable online efficiency ( up to 94% )
- Three level inverter
- Short response time ( <2ms )
- Low input current THD ( <5% )
- Low output voltage THD ( <2% )
- High input and output performance
- High input PF (  $\geq 0.99$  )

### RELIABLE & USER FRIENDLY

- Wide input voltage tolerances ( -%25, +%20 )
- Short circuit, lightning and surge protection
- Starting from the battery ( Cold start )
- Extended battery life with intelligent battery management
- Battery capacity, load percentage and ambient temperature display
- 1 - 7A adjustable battery charger
- LCD interface and LED operation mode diagram
- Remote emergency power off ( EPO )
- Energy - saving sleep mode
- 128 real time event log
- Generator compatibility
- Smart fan control
- Automatic and manual battery test
- Dry contacts and custom inputs
- Internal battery
- Short return on investment time
- Low investment and operation cost
- Reduced weight / volume / footprint
- Remote monitoring panel and management software ( optional )
- SNMP ( optional ) and RS232 communication
- Highest efficiency eco-mode ( up to 98% )

**TÜV**  
AUSTRIA  
HELLAS  
EN ISO 9001:2008

- EN 62040-1 (Safety), EN 62040-2 (EMC)
- CE, ISO 9001: 2008, ISO 14001, GOST

Your Positive Energy source ...

MODEL	UPS on BC Series		
	10 kVA	15 kVA	20 kVA
<b>INPUT</b>			
Voltage	380 / 400 / 415 VAC ; 3 ph + N		
Voltage tolerances	-%25, +%20 ( without downgrading )		
Frequency	50 / 60 Hz $\pm$ %10		
Power factor	$\geq$ 0,99		
THD <sub>v</sub>	< % 5		
<b>OUTPUT</b>			
Voltage	380 / 400 / 415 VAC ; 3 ph + N		
Voltage tolerances	$\pm$ %1 ( static load ) , dynamic load in accordance with VFI-SS-11		
Frequency	50 / 60 Hz		
Frequency tolerances	$\pm$ %0,1 ( self-synchronize ) , $\pm$ %1( mains-synchronize )		
Power factor	0,8		
THD <sub>v</sub>	$\leq$ %2 ( linear load ) , $\leq$ %5 ( non-linear load )		
Crest factor	3:1		
<b>OVERLOAD CAPACITY</b>			
$\leq$ %110	60 min.		
$\leq$ %130	10 min.		
$\leq$ %150	1 min.		
$\leq$ %160	10 sec.		
<b>EFFICIENCY</b>			
Online	up to 94%		
Eko mode	up to 98%		
<b>GENERAL</b>			
Technology	True online-double conversion, Three level inverter, Digital PFC		
Control	Dual-microprocessor, SPWM		
Communication	SNMP ( optional ) , RS232		
Remote monitoring	SNMPView, Remote monitoring panel ( Optional )		
Dry contacts	Battery mode, Battery low, General fault		
Custom inputs	Generator, Remote EPO		
Cold start	Standard		
Maintenance bypass	Standard		
<b>ENVIRONMENT</b>			
Operating temperature	From 0°C to + 40 °C ( from 20 °C to 25 °C for maximum battery life )		
Relative humidity	0% - 85 % ( without condensation )		
Maximum altitude	$\leq$ 2000 m		
Noise level	< 55 dB ( A )		
<b>UPS CABINET</b>			
Dimensions ( W x D x H ) ( mm )	255 x 730 x 870		
Weight ( kg )	48		51
Degree of protection	IP20 ( Optional IP23 or IP54 )		
Color	RAL7012		
Internal battery quantity	30		
Internal battery capacity ( Ah )	7 - 9		
<b>BATTERY CABINET</b>			
Battery quantity	30	60	60
Battery quantity ( Ah )	7 - 9 - 12	7 - 9	12
<b>STANDARDS</b>			
Certificates	EN 62040-1 ( Safety ) , EN 62040-2 ( EMC )		
<b>UPS LIFETIME</b>			
5 YEARS			

\*\*\* AC/DC reserves the right to make any changes to data without prior notice.

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