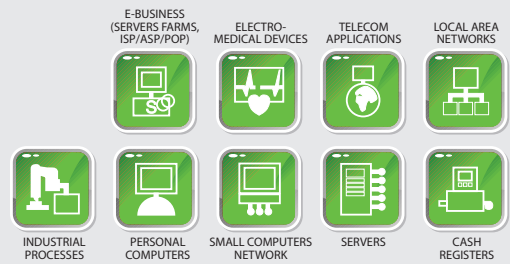


BB Series UPS

15-20 KVA | three/single phase
single phase



"Three Level Inverter" "Digital Power Factor Correction"

NEW TECHNOLOGY

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

RELIABLE & USER FRIENDLY

- ☞ Low investment and operation cost
- ☞ Short return on investment time
- ☞ Highest efficiency eco-mode (up to 98%)
- ☞ Reduced weight/volume/footprint
- ☞ Wide input voltage tolerances ($\pm 25\%$)
- ☞ Cold start
- ☞ Energy-saving sleep mode
- ☞ Short circuit, lightning and surge protection
- ☞ Remote emergency power off (EPO)
- ☞ Generator compatibility
- ☞ 1-7A adjustable battery charger
- ☞ Extended battery life with intelligent battery management
- ☞ Automatic and manual battery test
- ☞ LCD interface and LED operation mode diagram
- ☞ Remote monitoring panel (optional)
- ☞ 128 real time event log
- ☞ Battery capacity, load percentage and ambient temperature display
- ☞ SNMP (optional) and RS232 communication
- ☞ Remote monitoring and management software
- ☞ Dry contacts and custom inputs
- ☞ Smart fan control
- ☞ Internal battery
- ☞ Easy maintenance
- ☞ 10 years spare part warranty
- ☞ 7/24 technical support and customer service

STANDARDS

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



BB Series UPS single phase

15-20 KVA

TECHNICAL SPECIFICATIONS	BB Series		
Power (KVA)	15		20
INPUT			
Voltage	220 / 230 / 240 Vac 1ph + N or 380 / 400 / 415 Vac 3ph + N		
Voltage tolerances	± 25% (without downgrading)		
Frequency	50 / 60 Hz		
Frequency tolerances	± 10%		
Power factor	≥ 0.99		
THDi	< 5%		
OUTPUT			
Voltage	220 / 230 / 240 Vac 1ph + N		
Voltage tolerances	± 1% (static load), dynamic load in accordance with VFI-SS-11		
Frequency	50 / 60 Hz		
Frequency tolerances	± 0.1% (self-synchronize), ± 1% (mains-synchronize)		
Power factor	0.7		
THDv	≤ 2% (linear load), ≤ 5% (non-linear load)		
Crest factor	3:1		
OVERLOAD CAPACITY			
110%	Normal mode continuously		
125%	60 sec.		
150%	10 sec.		
> 150%	3 sec.		
EFFICIENCY			
Online	up to 94%		
Eco-mode	up to 98%		
GENERAL			
Technology	True online-double conversion, Three level inverter, Digital PFC		
Control	Dual-microprocessor, SPWM		
Communication	SNMP, RS232		
Remote monitoring	SNMPView, UPSilon, Remote monitoring panel		
Dry contacts	Battery mode, Battery low, General fault		
Custom inputs	Generator, Remote EPO		
Cold start	Standard		
Maintenance bypass	Standard		
ENVIRONMENT			
Operating temperature	from 0 °C up to +40 °C (from 20 °C to 25 °C for maximum battery life)		
Relative humidity	0% - 85% (without condensation)		
Maximum altitude	1000 m (without downgrading), max. 2000 m		
Noise level	< 55 dB (A)		
UPS CABINET			
Dimensions (W x D x H) (mm)	255 x 730 x 870		
Weight (kg)	49		51
Degree of protection	IP20		
Colour	RAL7012		
Internal battery quantity	30		
Internal battery capacity (Ah)	7-9		
BATTERY CABINET			
Battery quantity	30	60	60
Battery capacity (Ah)	7-9-12	7-9	12
STANDARDS			
Certificates	EN 62040-1 (Safety), EN 62040-2 (EMC)		
UPS LIFETIME	10 YEARS		

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

Update:15/12/2011



ELEN