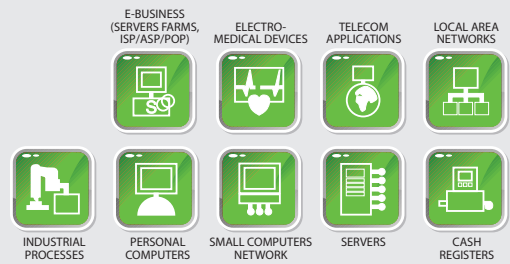


BA Series UPS

10 KVA | three/single phase



"Three Level Inverter" "Power Factor Correction"

NEW TECHNOLOGY

- ☞ Three level inverter
- ☞ High and stable online efficiency (up to 94%)
- ☞ High input PF (≥ 0.95)
- ☞ Low output voltage THD ($< 2\%$)
- ☞ Short response time ($< 2\text{ms}$)
- ☞ High input and output performance

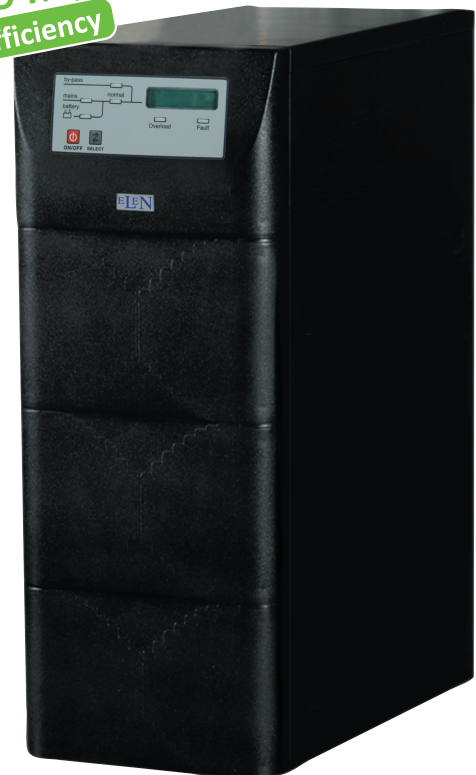
RELIABLE & USER FRIENDLY

- ☞ Low investment and operation cost
- ☞ Short return on investment time
- ☞ 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
- ☞ 1-5A adjustable charger (optional)
- ☞ Extended battery life with intelligent battery management
- ☞ Automatic battery test
- ☞ LCD interface and LED operation mode indicator
- ☞ Remote monitoring panel (optional)
- ☞ 128 event log
- ☞ Battery capacity and load percentage display
- ☞ SNMP (optional) and RS232 communication
- ☞ Remote monitoring and management software
- ☞ Dry contacts
- ☞ 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

94%
Efficiency



BA Series UPS

10 KVA | three/single phase

TECHNICAL SPECIFICATIONS	BA Series	
Power (KVA)	10	
INPUT		
Voltage	380 / 400 / 415 Vac 3ph + N	
Voltage tolerances	± 25% (without downgrading)	
Frequency	50 / 60 Hz	
Frequency tolerances	± 10%	
Power factor	≥ 0.95	
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	
THD _v	≤ 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%	
GENERAL		
Technology	True online-double conversion, Three level inverter, PFC	
Control	Microprocessor, SPWM	
Communication	SNMP, RS232, Remote monitoring panel	
Remote monitoring	SNMPView, UPSilon	
Dry contacts	Battery mode, Battery low	
Custom inputs	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	< 45 dB (A)	
UPS CABINET		
Dimensions (W x D x H) (mm)	255 x 660 x 710	
Weight (kg)	44	
Degree of protection	IP20	
Colour	RAL7012	
Internal battery quantity	20	30
Internal battery capacity (Ah)	7-9	
BATTERY CABINET		
Battery quantity	30	60
Battery capacity (Ah)	7-9-12	7-9
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:14/12/2011