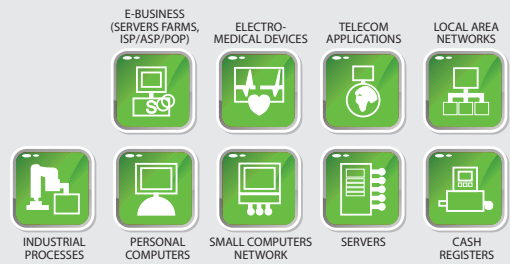


# AS Series UPS

6-10 KVA | single phase



## "Three Level Inverter" "Power Factor Correction"

### NEW TECHNOLOGY

- ☞ Three level inverter
- ☞ High and stable online efficiency (up to 94%)
- ☞ High input PF ( $\geq 0.99$ )
- ☞ Low input current THD ( $< 5\%$ )
- ☞ 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



# AS Series UPS single phase

## 6-10 KVA

TECHNICAL SPECIFICATIONS	AS Series					
Power (KVA)	6			10		
<b>INPUT</b>						
Voltage	220 / 230 / 240 Vac 1ph + N					
Voltage tolerances	± 25% (without downgrading)					
Frequency	50 / 60 Hz					
Frequency tolerances	± 10%					
Power factor	≥ 0.99					
THD <sub>i</sub>	< 5%					
<b>OUTPUT</b>						
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 <sub>v</sub>	≤ 2% (linear load), ≤ 5% (non-linear load)					
Crest factor	3:1					
<b>OVERLOAD CAPACITY</b>						
110%	Normal mode continuously					
125%	60 sec.					
150%	10 sec.					
> 150%	3 sec.					
<b>EFFICIENCY</b>						
Online	up to 94%					
<b>GENERAL</b>						
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					
<b>ENVIRONMENT</b>						
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	< 40 dB (A)			< 45 dB (A)		
<b>UPS CABINET</b>						
Dimensions (W x D x H) (mm)	255 x 640 x 545			255 x 660 x 710		
Weight (kg)	29			35		
Degree of protection	IP20					
Colour	RAL7012					
Internal battery quantity	14	20	20	20	30	30
Internal battery capacity (Ah)	7-9					
<b>BATTERY CABINET</b>						
Battery quantity	20	40	60	20	30	60
Battery capacity (Ah)	7-9		7-9		7-9-12	7-9
<b>STANDARDS</b>						
Certificates	EN 62040-1 (Safety), EN 62040-2 (EMC)					
<b>UPS LIFETIME</b>						
10 YEARS						

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

Update:14/12/2011