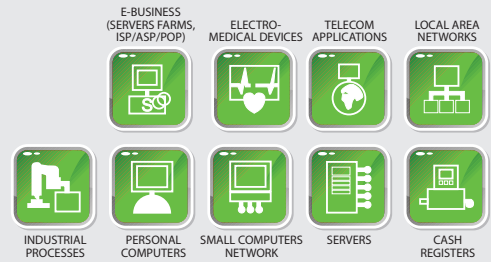


ASA Series Rack UPS

3-5 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 (≥ 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
- ☞ 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



ASA Series Rack UPS single phase

3-5 KVA

TECHNICAL SPECIFICATIONS	AS Rack Series				
Power (KVA)	3			5	
INPUT					
Voltage	110 / 115 / 120 / 127 Vac 1ph + N				
Voltage tolerances	± 25% (without downgrading)				
Frequency	50 / 60 Hz				
Frequency tolerances	± 10%				
Power factor	≥ 0.99				
THDi	< 5%				
OUTPUT					
Voltage	110 / 115 / 120 / 127 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%				
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	< 40 dB (A)		< 45 dB (A)		
UPS CABINET					
Dimensions (W x D x H) (mm)	482 (19") x 562 x 133 (3U)				
Weight (kg)	16		16.5		
Degree of protection	IP20				
Colour	RAL7012				
BATTERY CABINET					
Battery quantity	20	40	60	30	60
Battery capacity (Ah)	7-9		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:19/12/2011



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