

AS Series Rack 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 (≥ 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
- ☺ 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



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TECHNICAL SPECIFICATIONS	AS Rack Series						
Power (KVA)	6			10			
INPUT							
Voltage	220 / 230 / 240 Vac 1ph + 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 (0.8 optional)						
THDv	≤ 2% (linear load), ≤ 5% (non-linear load)						
Crest factor	3:1						
OVERLOAD CAPACITY							
≤ 110%	continuously						
≤ 130%	10 min.						
≤ 150%	1 min.						
≤ 160%	10 sec.						
EFFICIENCY							
Online	up to 94%						
GENERAL							
Technology	True online-double conversion, Three level inverter, PFC						
Control	Microprocessor, SPWM						
Communication	SNMP (optional), RS232						
Remote monitoring	SNMPView, UPSilon, Remote monitoring panel (optional)						
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	14	20	40	60	20	30	60
Battery capacity (Ah)	7-9			7-9		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.

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