

A1 Series UPS_{1-3 kVA} | Single phase

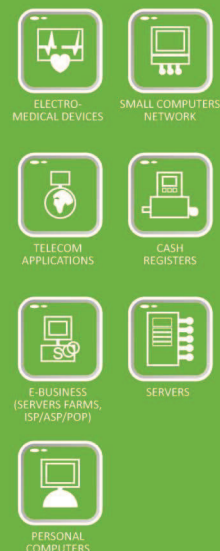
- Online
- Power Factor Correction

✓ RELIABLE & USER FRIENDLY

- SPWM inverter
- High input PF (≥ 0.99)
- Low output voltage THD ($< 2\%$)
- Wide input voltage tolerances ($- 25\%, +20\%$)
- Compatible with different load types
- Reduced weight/volume/footprint
- Cold start
- Energy-saving sleep mode
- Overload, short circuit, lightning and surge protection
- Generator compatibility
- Extended battery life with intelligent battery management
- Extra charger and battery cabinet for longer back-up time
- Automatic battery test
- LCD interface and LED operation mode indicator
- Remote monitoring panel (optional)
- Remote emergency power off (EPO)
- 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 installation and maintenance
- 10 years spare part warranty
- 7/24 technical support and customer service

✓ STANDARDS

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



A1 SERIES UPS TECHNICAL SPECIFICATIONS

Power (kVA)		1	2	3
INPUT	Voltage	220 / 230 / 240 Vac 1ph + N		
	Voltage Tolerances	- 25%, +20% (without downgrading)		
	Frequency	50 / 60 Hz (automatic detection)		
	Frequency Tolerances	± 10%		
	Power Factor	≥ 0,99		
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 _u	≤ 2% (linear load), ≤ 5% (non-linear load)		
	Crest Factor	3:1		
OVERLOAD CAPACITY	≤ 110%	30 min.		
	≤ 125%	60 sec.		
	≤ 150%	10 sec.		
	> 150%	3 sec.		
EFFICIENCY	Online	up to 92%		
GENERAL	Technology	True online-double conversion, PFC		
	Control	Microprocessor, SPWM		
	Communication	SNMP(optional), RS232		
	Remote Monitoring	SNMPView, UPSilon, Remote monitoring panel(optional)		
	Dry Contacts	Battery mode, Battery low		
	Cold Start	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	≤ 2000 m		
	Noise Level	< 45 dB (A)		
UPS CABINET	Dimensions (W x D x H) (mm)	155 x 400 x 225	195 x 460 x 380	
	Weight (kg)	7,5	14	15
	Degree of Protection	IP20		
	Colour	RAL7012		
BATTERY	Internal Battery Quantity	3	6	8
	Internal Battery Capacity (Ah)	7 - 9		
	Eternal Battery Cabinet Socket	Optional	Standard	Standard
STANDARDS	Safety	EN 62040-1		
	EMC	EN 62040-2		
UPS LIFETIME		10 YEARS		