

# A2 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 operating cost
- Short return on investment time
- Reduced weight/volume/footprint
- Wide input voltage tolerances (- 25%, +20%)
- 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 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



ELECTRO-MEDICAL DEVICES



LOCAL AREA NETWORKS



TELECOM APPLICATIONS



INDUSTRIAL PROCESSES



E-BUSINESS (SERVERS FARMS, ISP/ASP/POP)



SMALL COMPUTERS NETWORK



PERSONAL COMPUTERS



CASH REGISTERS



SERVERS



THREE LEVEL TECHNOLOGY

94% Efficiency



## A2 SERIES UPS TECHNICAL SPECIFICATIONS

	Power (kVA)	6	10		
INPUT	Voltage	220 / 230 / 240 Vac 1ph + N			
	Voltage Tolerances	- 25%, +20% (without downgrading)			
	Frequency	50 / 60 Hz (Auto detect)			
	Frequency Tolerances	± 10%			
	Power Factor	≥ 0,99			
	THD <sub>i</sub>	< 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)	0,7		
	THD <sub>v</sub>	≤ 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 94%			
GENERAL	Technology	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	≤ 2000 m			
	Noise Level	< 40 dB (A)	< 45 dB (A)		
UPS CABINET	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			
BATTERY	Internal Battery Quantity	14	20	20	30
	Internal Battery Capacity (Ah)	7-9			
	External Battery Cabinet Socket	Standard			
STANDARDS	Safety	EN 62040-1			
	EMC	EN 62040-2			
UPS LIFETIME		10 YEARS			