

# AC large UPS

## ADIRA 6-10 kVA

With its compact design, the ADIRA can be used on a very limited space. Its back-up time can be extremely flexible extended with external battery packs.

Due to the continuous development of our UPS technology the ADIRA offers you an improved sinus quality and a power factor of 0.9.

The usage of IGBT rectifiers reduces the distortion of dependent mains. The current drain is almost ideally sinusoidal.



### ■ Rear view



### Options for extended communication and maximum availability:

- SNMP/web or relay card for monitoring in network environments
- Additional battery modules to provide an uninterruptible power supply for up to several hours
- External manual bypass for planned UPS maintenance work or replacement of the UPS unit without shutting it down
- Extended warranty arrangements
- Customer-oriented individual service and maintenance contracts

## ■ Characteristics

- UPS classification VFI-SS111 (IEC 62040-3)
- Online double conversion
- PFC rectifier with IGBT technology
- High efficiency
- Sine wave output
- Digital signaling processor
- Clearly arranged LCD display
- Compact design
- USB interface as standard
- Expansion Slot for SNMP card
- 24 months warranty

## ■ Special features

- Huge input voltage range
- Power factor > 0,9
- Eco Mode (efficiency > 96 %)
- Low THD(i) even at partial load
- Frequency converter mode
- Relay contacts as standard

## ■ Specifications

| ADIRA  |   | 6 kVA  | 10 kVA          |
|--|---|--|-----------------|
| Power  | Power in VA   | 6000   | 10000           |
|  | Power in W  | 5400   | 9000            |
| Autonomy time<br>100% / 50% load<br>(cos. phi 0,7) | With internal batteries in minutes                            | 8 / 18   | 6 / 13          |
|  | Internal batteries + 1 x battery pack                         | 30 / 63  | 16 / 34         |
|  | Longer autonomy times on request (XL)                         |  |                 |
| Technology   | Online double conversion                                      | VFI-SS-111 in accordance with IEC 62040-3              |                 |
| Phase  | Input / Output  | 1-phase / 1-phase                                      |                 |
| Input  | Nominal voltage   | 208/220/230/240 VAC                                    |                 |
|  | Input voltage range   | 110-276 VAC  |                 |
|  | Input frequency range   | 50/60 Hz (Auto-Sensing)                                |                 |
| Output   | Output voltage  | 208/220/230/240 VAC                                    |                 |
|  | Voltage Regulation  | ±1%  |                 |
|  | Frequency Range   | 50 Hz or 60 Hz ± 1 Hz                                  |                 |
|  | Transfer time   | none   |                 |
|  | Overload Capability (Line Mode)                               | < 125%: 2 min. / < 150%: 30 sec.                       |                 |
|  | Voltage form  | sine wave  |                 |
| Efficiency   | ECO mode  | max. 95%   |                 |
| Battery  | Type  | Maintenance free lead-acid battery                     |                 |
|  | Life time   | 5 years, optional 10 years                             |                 |
|  | Charging current (max)  | 1,4 A Standard / 4 A XL-Version - optional 12 A        |                 |
| Communication                                      | Recharging time   | ca. 8 h / 90% capacity / XL depending on the equipment |                 |
|  | Interface   | USB, Switch contacts, EPO                              |                 |
|  | Slot for further communication cards                          | Optional relay contacts or SNMP card                   |                 |
|  | Display   | LC-Display   |                 |
| Dimensions /<br>Weight                             | Parallel switching  | Max. 4 systems for redundancy or to boost performance  |                 |
|  | Dimensions UPS (HxBxT in mm)                                  | 708 x 260 x 550  |                 |
|  | Dimensions of battery extension<br>(H x W x D in mm) optional | 708 x 260 x 550  |                 |
|  | Weight UPS (Standard / XL)                                    | 80 kg / 25,5 kg  | 84 kg / 29,5 kg |
|  | Weight battery pack   | depending on the quantity of batteries                 |                 |
| Terminals  | Protection  | IP 20 (optionally higher protection class possible)    |                 |
|  | Input   | Fixed connection on terminals                          |                 |
| Environmental<br>conditions                        | Output  | Fixed connection on terminals                          |                 |
|  | Temperature   | 0°C – 40°C, 20°C recommended                           |                 |
|  | Humidity  | 0-90 % RH @ 0- 40°C (non condensing)                   |                 |
| Safety / Enclosure                                 | Acoustic Noise  | < 52 dB  |                 |
|  | Safety  | EN 62040-1   |                 |
|  | EMC   | EN 62040-2, class C3                                   |                 |
|  | Certifications  | CE   |                 |