

# AC large UPS

## ADIRA 10-20 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.

In addition to all that the availability also increases due to the hot-swappable batteries.



### ■ Rear view



Adira 10 kVA 3/1 ph



Adira 20 kVA 3/1 ph

### 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
- RS232 interface as standard
- 2x expansion Slot for SNMP card / relay contacts
- 24 months warranty

## ■ Special features

- Huge input voltage range
- Power factor > 0,9
- Eco mode (efficiency > 96%)
- „Hot swappable“ batteries
- Low THD(i) even at partial load
- Frequency converter mode

## ■ Specifications

ADIRA		10 kVA 3/1ph	20 kVA 3/1ph
Power	Power in VA	10000	20000
	Power in W	9000	18000
Autonomy time 100% / 50% load (cos. phi 0,7)	With internal batteries in minutes	8 / 18	8 / 18
	Internal batteries + 1 x battery pack	20 / 43	14 / 30
	Longer autonomy times on request (XL)		
Technology	Online double conversion	VFI-SS-111 in accordance with IEC 62040-3	
Phase	Input / Output	3-phase / 1-phase	
Input	Nominal voltage	400 VAC	
	Input voltage range	190-478 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)	< 130% für 60 sec. / < 150% für 10 sec.	
	Voltage form	sine wave	
Efficiency	ECO mode	max. 97%	
Battery	Type	Maintenance free lead-acid battery	
	Life time	5 years, optional 10 years	
	Charging current (max)	2A	4A
	Recharging time	ca. 8 h / 90% capacity	
Communication	Interface	USB, RS232, EPO	
	Slots for further communication card	2, optional relay contacts / SNMP card	
	Display	LC-Display	
Dimensions / Weight	Parallel switching	Max. 4 systems for redundancy or to boost performance	
	Dimensions UPS (HxBxD in mm)	890 x 350 x 650	
	Dimensions of battery extension (H x W x D in mm) optional	708 x 260 x 550	
	Weight UPS (standart)	115 kg	183 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 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	