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





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

Power Power in VA 10000 20000 18000	ADIRA		10 kVA 3/1ph	20 kVA 3/1ph
Autonomy time 100% / 50% load (cos. phi 0,7) Technology Online double conversion Phase Input Norminal voltage Norminal voltage Output Output Output voltage range Input frequency range Overload Capability (Line Mode) Frequency Battery Battery Efficiency Battery Battery Communication Communication Dimensions / Weight Dimensions of Dattery ack Dimensions / Weight Terminals With internal batteries in minutes Internal batteries + 1 x battery pack Input (20 / 43	Power	Power in VA	10000	20000
Internal batteries + 1 x battery pack (cos. phi 0,7) Technology Phase Input Online double conversion Input Ovac Input (Notiput Input (Notiput Input (Notiput) Output Output Output Output Output Output Output Ovac Input (Notinge range) Input (Notinge range) Output Output (Notinge range) Output Output (Notinge range) Output (Notinge Regulation) Frequency Range Frequency Range Overload Capability (Line Mode) Voltage form Overload Capability (Line Mode) Voltage form ECO mode Battery Input (Notinge form) Input (Notinge Regulation) Efficiency ECO mode Charging current (max) Recharging time Charging current (max) Slots for further communication card Display UcDisplay Dimensions / Weight Dimensions of battery extension (H × W x D in mm) optional Weight UPS (standart) Weight UPS (standart) Frequency Fixed connection on terminals		Power in W	9000	18000
Internal batteries + 1 x battery pack 20 / 43	Autonomy time	With internal batteries in minutes	8 / 18	8 / 18
Coos. phi 0,7) Longer autonomy times on request (XL)		Internal batteries + 1 x battery pack	20 / 43	14/30
Phase Input Output Nominal voltage Input Output Nominal voltage Input voltage range 190-478 VAC	(cos. phi 0,7)	Longer autonomy times on request (XL)		
Input	Technology	Online double conversion	VFI-SS-111 in accordance with IEC 62040-3	
Input voltage range	Phase	Input / Output	3-phase / 1-phase	
Output Output voltage Output voltage Output voltage geulation Frequency Range Frequency Range Overload Capability (Line Mode) Voltage form Overload Capability (Line Mode) Fefficiency Battery Efficiency Battery Communication Communication Dimensions / Weight Dimensions Universides Weight UPS (standart) Weight UFS (standart) Frequency Range Output voltage form Input frequency Range All A All	Input	Nominal voltage	400 VAC	
Output Output Voltage Regulation Frequency Range Charging current (max) Communication Dimensions / Weight Dimensions / Weight Use (Harding) Dimensions / Weight Use (Harding) Dimensions / Weight Use (Harding) Dimensions / Weight Date (Harding) Date (Harding) Date (Harding) Date (Harding) Date (H		Input voltage range	190-478 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. sine wave max. 97% Battery ECO mode 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 Usb, RS232, EPO 2, optional relay contacts / SNMP card Display LC-Display Parallel switching Max. 4 systems for redundancy or to boost performance Dimensions / Weight Dimensions UPS (HxBxT in mm) Weight UPS (standart) Weight UPS (standart) Terminals Protection Lepending on the quantity of batteries P 20 (optionally higher protection class possible) Fixed connection on terminals Call Parallel Survey		Input frequency range	50/60 Hz (Auto-Sensing)	
Frequency Range Transfer time Overload Capability (Line Mode) Voltage form Battery ECO mode Charging current (max) Recharging time Communication Slots for further communication card Parallel switching Parallel switching Weight Weight Weight UPS (standart) Weight UPS (standart) Freminals Protection Freminals Overload Capability (Line Mode) Voltage form Max. 97% Maintenance free lead-acid battery Syears, optional 10 years 2A 4A 4A 4A 4A 4A 4A 4A 4A 4A 4B	Output	Output voltage	208/220/230/240 VAC	
Transfer time Overload Capability (Line Mode) Voltage form Efficiency Battery Charging current (max) Recharging time Usb, RSZ32, EPO Slots for further communication card Display Parallel switching Weight Dimensions / Weight Weight USB (Standard) Weight USB (Standard) Weight USB (Standard) Weight USB (Standard) Weight Terminals Transfer time None < 130% für 60 sec. / < 150% für 10 sec. sine wave max. 97% Maintenance free lead-acid battery 5 years, optional 10 years 6 years		Voltage Regulation	±1%	
Overload Capability (Line Mode)		Frequency Range	50 Hz or 60 Hz ± 1 Hz	
Voltage form Sine wave S		Transfer time	none	
Efficiency 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 Slots for further communication card Display LC-Display Parallel switching Max. 4 systems for redundancy or to boost performance Dimensions / Dimensions UPS (HxBxT in mm) 890 x 350 x 650 Weight Dimensions of battery extension (H x W x D in mm) optional Weight UPS (standart) 115 kg 183 kg Weight UPS (standart) 4 Fixed connection on terminals Fortection IP 20 (optionally higher protection class possible) Terminals Environmental Temperature 0°C - 40°C, 20°C recommended		Overload Capability (Line Mode)	< 130% für 60 sec. / < 150% für 10 sec.	
Type		Voltage form	sine wave	
Life time Charging current (max) Recharging time Communication Interface Slots for further communication card Display Parallel switching Dimensions / Weight Dimensions of battery extension (H x W x D in mm) optional Weight UPS (standart) Protection Ferminals Input Fervironmental Life time Charging current (max) 2A 4A USB, RS232, EPO 2, optional relay contacts / SNMP card LC-Display Max. 4 systems for redundancy or to boost performance 890 x 350 x 650 708 x 260 x 550 115 kg depending on the quantity of batteries IP 20 (optionally higher protection class possible) Fixed connection on terminals Fixed connection on terminals Fixed connection on terminals 0°C - 40°C, 20°C recommended	Efficiency	ECO mode	max. 97%	
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Dimensions / Dimensions UPS (HxBxT in mm) 890 x 350 x 650 Dimensions of battery extension (H x W x D in mm) optional Weight UPS (standart) 115 kg 183 kg Weight battery pack depending on the quantity of batteries Protection IP 20 (optionally higher protection class possible) Terminals Input Fixed connection on terminals Output Fixed connection on terminals Environmental Temperature 0°C - 40°C, 20°C recommended		1 7	. ,	
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Terminals Input Fixed connection on terminals		Weight battery pack	, , ,	
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Environmental Temperature 0°C - 40°C, 20°C recommended	Terminals			
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conditions Humidity 0-90 % RH (@ 0-40°C (non condensing)		·		
	conditions	,		
			< 52 dB	
·	Safety / Enclosure		EN 62040-1	
			EN 62040-2, class C3	
Certifications CE		Certifications	CE	